COMBO

HOLDEN

Owner's Name .....
Address .....
Town .....
State.....Postcode .....

Model Name .....
Reg. No.....Eng. No. .....
Odometer Reading .....
Date of Purchase .....

(17 character I.S.O.V.I.N.) Vehicle Identification Number

Vehicle Identification Certificate

Selling Dealer's
Stamp & Signature .....

General Motors-Holden's Automotive Ltd. A.C.N. 006 893 232 (hereinafter Holden).

Change of name, address or ownership

In the event of a Safety Recall, or for various reasons, Holden may need to contact you as the owner of this vehicle. Also, if less than three years old, this car will qualify for Roadside Service, refer Chapter 9. If you have recently changed your address, or name, or purchased this vehicle second-hand, please help us to help you by taking a few minutes to fill in and mail the form at the end of Chapter 12.

Part No. 92057138
SB Combo, 1997 Model Year

CONTENTS

Instruments, switches, heating, opening bonnet, clock, cigarettes, exterior lights, radio, wipers and washers. — Dash board 1

Keys, door locks, rear door lock. — Locks 2

Seats, seat belts, mirrors, windows, park brake, interior lighting, cargo grille. — Know your vehicle 3

Engine starting, running in, use of the transmission, driving precautions. — Driving 4

Exhaust caution, petrol fuelling, fuel tank capacity, emission control, reducing fuel consumption. — Fuel 5

Accidents, first aid, towing the vehicle, flat tyre, engine overheating, flat battery, air bag. — Emergencies 6

Service manuals, checking: oil, water, power steering fluid, brake fluid, washer fluid, battery, fuses, tyre pressure, bulb replacement. — Weekly checks 7

Engine specs, transmission specifications, identification plates, dimensions. — Specifications 8

Warranty, Holden Dealers, HoldenWise, Customer Assistance. — After sales 9

Loading information, towing, towing precautions. — Towing 10

Interior cleaning, washing, list of maintenance materials. — Cleaning 11

Maintenance schedule, labour times, service coupons, change of name/address forms — Servicing 12

Index

We thank you for choosing Holden and want to assure you of our continuing interest in your motoring pleasure and satisfaction.

This handbook applies to all SB Combo models. Therefore, due to different models and options, you may find reference in this Handbook to some equipment not installed in your own vehicle.

Please note that all information, illustrations and specifications in this Handbook are based on the latest production information available at the time of printing. Holden reserves the right to make changes at any time without notice and without incurring any obligation.

CHANGE OF ADDRESS OR OWNERSHIP

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If you have recently changed your address, or name, or purchased this car second-hand, please help us to help you by taking a few minutes to fill in and mail this form. The mailing address is shown on the back of this page.

Please tick the appropriate box:

☐ Original Owner ☐ Subsequent Owner

Title: (Mr, Mrs, Miss, Ms, etc.)

First name in full or initials

Surname or Name of Company/Institution/Government Department

Address

Street/box

City/Town

State

Postcode

Car registration number

Holden Number (see page 8-5 of this book)

ISOVIN Number (see page 8-5 of this book)

Place in an envelope and mail to:

The Manager - Warranty Administration
Service Department
General Motors-Holden's Automotive Limited
Box 548D, G.P.O.
Melbourne
Victoria, 3001

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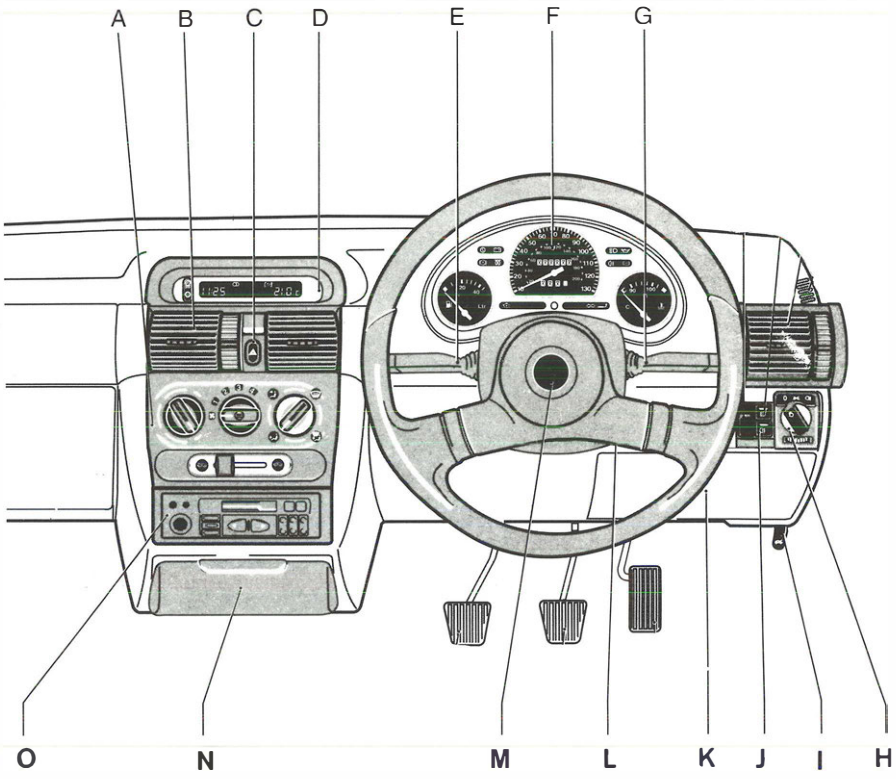
CHAPTER 1

Dash board

The following page illustrates the dash board, identifying the gauges, warning lights, controls and switches. Page reference numbers are listed next to each item.

Page	
1-3	Ignition switch
1-3	Horn
1-4	Gauges
1-6	Warning/reminder lights
1-8	Wipers and washers
1-9	Exterior lights
1-11	Ash tray
1-11	Radio
1-12	Heater and air conditioner
1-17	Clock
1-18	Bonnet release

LAYOUT



		Page
A	Heater, air conditioner controls	1-13
B	Vents	1-12
C	Hazard warning switch	1-10
D	Clock, temperature display	1-17
E	Lever for turn signals and high low beam	1-9
F	Gauges	1-4
G	Lever for wipers and washers	1-8
H	Headlights switch	1-9
I	Bonnet release lever	1-18
J	Fog light switch	1-10
K	Fuse box cover	Chapter 7
L	Ignition switch	1-3
M	Horn	1-3
N	Ashtray	1-11
O	Radio	1-11

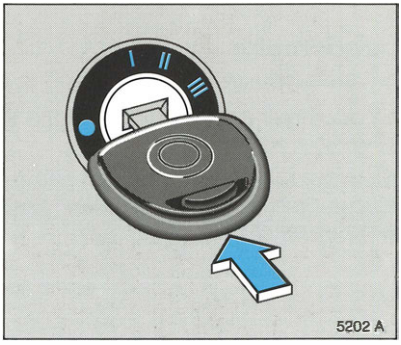
IGNITION and HORN

● *LOCK:* Steering locked, ignition off.

I *OFF:* Steering unlocked, ignition off

II *ON:* Ignition on

III *START:* Start the engine



To release steering column lock:

To release the lock, move the steering wheel slightly and turn the key to position I.

To lock steering column:

Withdraw key in position ●. Rotate steering wheel until the lock is heard to engage.

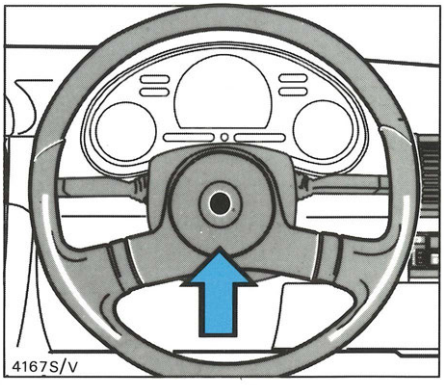
CAUTION:

Do not turn the engine off while the vehicle is moving. Power assisted equipment (such as brakes or steering) which are operated by the engine will be ineffective. Never remove the key while the vehicle is in motion as this will lock the steering of the vehicle.

Horn

Press the horn pad in the centre of the steering wheel to activate.

If the vehicle is fitted with an air bag the horn is activated by pressing the symbol, on either side of the steering wheel.



GAUGES

Speedometer

The speedometer indicates speed in kilometres per hour.

The odometer (in the top half of the speedometer) records kilometres travelled since the vehicle was built.

The tripmeter (in the lower half of the speedometer) records kilometres travelled on a particular trip. Push the tripmeter reset knob, located beneath the tripmeter to reset the tripmeter reading to zero.

Dimmer

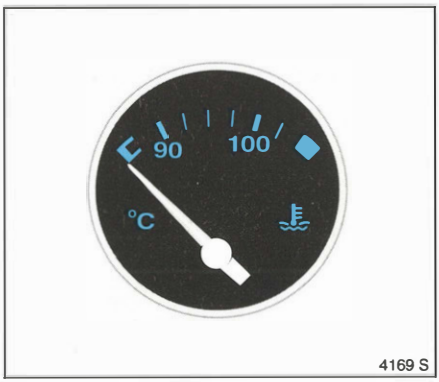
Gauges are illuminated when the headlights or park lights are switched on.

Brightness can be adjusted by turning the knurled knob.

GAUGES

Engine temperature gauge

If the needle should move all the way to right and remain there for more than 30 seconds, you should stop the vehicle as soon as it is safe to do so. Refer "Emergencies" chapter for further information.

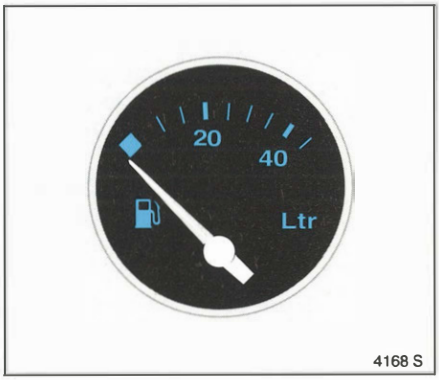


Fuel gauge

The fuel tank has a capacity of 46 litres. "Full" is indicated when the needle is pointing to the right side of the gauge scale.

On some models, a warning light is provided in the fuel gauge. This will light up when the fuel is running low, and will come on earlier when driving around bends.

Refer to chapter 5 when refuelling.



WARNING LIGHTS

Battery

Lights up when ignition is switched on. Goes out once the engine has been started and engine speed increased above idle speed.

If it lights up during driving then the battery is not being charged (engine cooling may also be affected). You should see a Holden Dealer as soon as possible.

Brakes

Lights up when ignition is switched on if park brake is applied and/or brake fluid level is too low.

To check that the bulb is working, ensure that the symbol lights up when the park brake is applied and the ignition is ON.

If it lights during driving and the park brake is *not* applied you should stop the vehicle as soon as possible, as the light is indicating that the brake fluid level is low.

Check engine

Your vehicle is fitted with an Electronic Engine Management System. The check engine symbol indicates when system service is required.

The symbol lights when the ignition is switched ON. Goes out shortly after the engine starts to run.

When driving, the symbol may light up briefly and then go out again. This is of no significance. However, if it often or continuously lights up then service to the Engine Management System is required.

Although the vehicle may still be drivable and does not require towing, see your Holden Dealer as soon as possible as continued driving could affect fuel consumption, engine performance or may damage the catalytic converter.

However, if the symbol *flashes* and the engine cannot be started, turn the ignition key to OFF for at least 2 seconds before attempting to start the engine again.

High beam

Lights up when headlight high beams are in use.

WARNING LIGHTS

Oil pressure

Lights up when ignition is switched on and goes out after engine is started. It can light up intermittently when idling if engine is hot, but must go out when engine speed is increased.

If illuminated during driving, immediately stop the vehicle and switch off the engine. Check the engine oil level. Do not run the engine with this light showing. If the oil level is normal, have the system checked at your nearest Holden Dealer.

Fog tail lights

Lights up when the fog tail lights are switched on.

Turn signal indicator

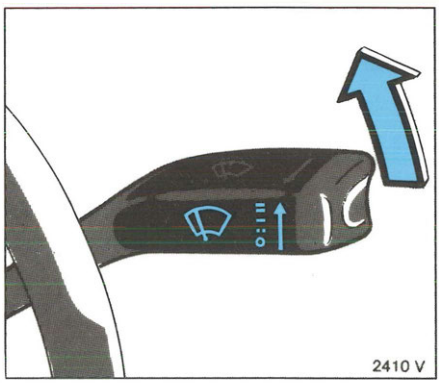
Flashes when turn signal lights are on. If the symbol flashes rapidly a turn signal lamp bulb has failed.

Air bag (if fitted)

Lights up for a few seconds when the ignition is switched on. If it does not go out or if it comes on during driving, there is a defect in the air bag system, and you should consult your Holden Dealer as soon as possible.

WIPERS & WASHERS

Windscreen wipers



Move the lever upwards.

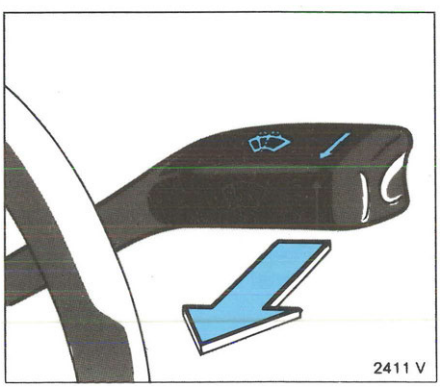
= fast

- slow

O off

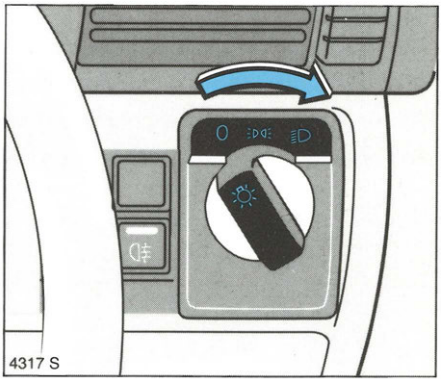
Windscreen washer

Never operate with wipers on dry glass, as this will damage the rubber. To spray washer fluid onto the windscreen pull the lever toward you. At the same time the wipers are operated for several sweeps.



EXTERIOR LIGHTS

Light switch



○ off

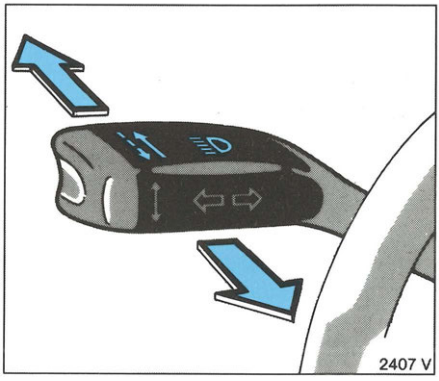
park lights

park lights plus headlights

pull to turn on courtesy light

High/low beam

When the headlights are switched on, push the lever away from you, until you feel a click, then release. The headlights will change from low to high beam. Pull the lever back towards the steering wheel to return to low beam. When the high beams are in use a symbol on the instrument panel will glow.



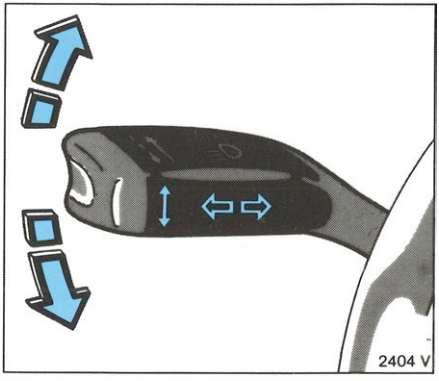
It is also possible to flash the high beams for signalling purposes (even if the headlights are off) by pulling the lever towards you. The lights will remain in high beam as long as the lever is held.

Leaving the headlights switched on without the engine running will eventually flatten the battery.

Turn signals

Push the lever up or down (as required) to signal a turn.

In some turns (such as changing lanes) the steering wheel is not turned far enough to cancel the turn signal. So, to indicate a lane change, move the lever part way and hold. The lever will return to the neutral position when released.



EXTERIOR LIGHTS

Fog lights

The switch for the fog lights is located just to the left of the switch for the headlights.

Push the button to switch the fog lights on/off.

The light in the instrument panel indicates when the fog lights are working.

You should check your State's Laws regarding use of fog lights when driving.

Hazard

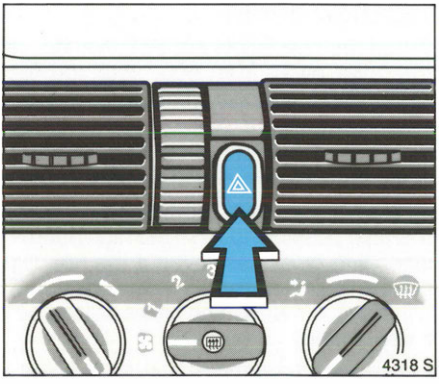
Depress = on

Depress again = off

Use the hazard warning flasher to warn other drivers if your vehicle becomes a traffic hazard, day or night.

When the hazard warning system is on, the button's symbol will flash, in unison with the external turn signals.

Use of the hazard warning flashers while the car is moving is illegal in some States.



RADIO, CIGARETTES, GLOVEBOX

Radio

The radio can be heard until the key is removed from the ignition. Therefore, remember to remove the key when leaving the car for any length of time, or you may flatten the battery.

The radio can also be heard when the key is removed from the ignition by pressing the ON-VOL knob. In this case, the radio will automatically switch off after one hour.

Refer to radio leaflet for operating instructions.

Mobile phones and CB radios

Mobile phones and CB radio equipment which use an integrated antenna, may temporarily affect the vehicle's electronics when used inside the vehicle, due to the interference created when transmitting.

Therefore, mobile phones and CB equipment that use an antenna fitted to the outside of the vehicle should be used whenever possible.

If phones or CBs with an integrated antenna *must* be used inside the vehicle, care should be taken not to operate near the dashboard area.

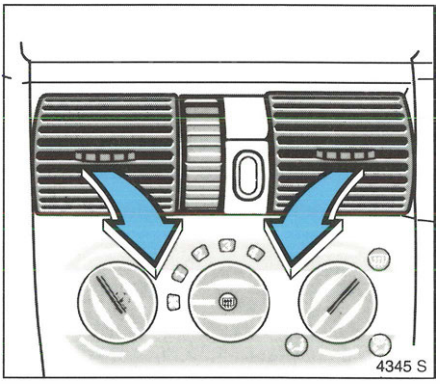
Ashtray

Swivel the cover down to reveal the ashtray.

To empty the ash tray, remove the tray by depressing the front of the tray to unhook and then pulling towards you. Empty and simply push back into place.

To close the ashtray, swivel the cover up.

HEATING AND AIR CONDITIONING (if fitted)



The vehicle features a flow through ventilation system for your comfort. Under reasonable conditions, it shouldn't be necessary to open the windows at any time.

Outside air (except when the vents are closed) is drawn into the vehicle through the opening at the base of the windscreen. Do not allow this opening to become clogged with debris, such as leaves or snow.

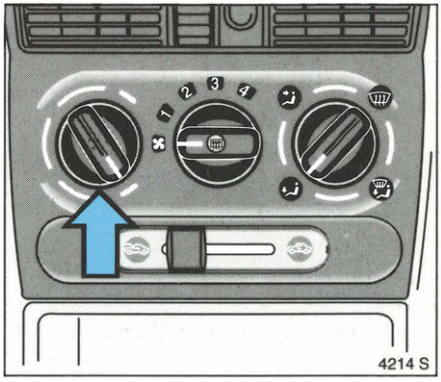
The demist and feet vents are not adjustable as they direct air to the windscreen, windows or feet in the best possible way.

However, the vents which direct air to the face are adjustable. They can be swivelled and tilted as required. They can also be completely shut off by turning the wheel at the side of the vent downwards. Note that the centre vents act as a pair and are shut off or turned on together, by the middle wheel.

HEATING AND AIR CONDITIONING (if fitted)

Temperature dial

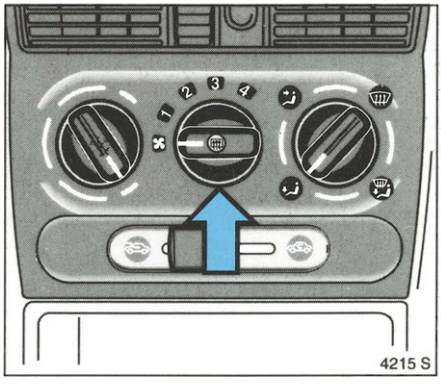
Anticlockwise = cold; clockwise = warm.



Fan dial

Off plus 4 fan speeds are provided.

Note that the rate of air flow is determined by vehicle speed, as well as by the fan, and therefore the fan should be switched on when driving slowly.



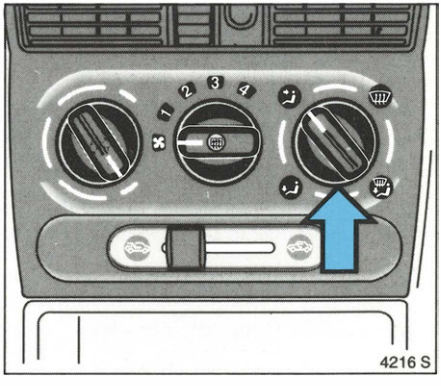
Vent dial

air from demist vents

air from demist and foot vents

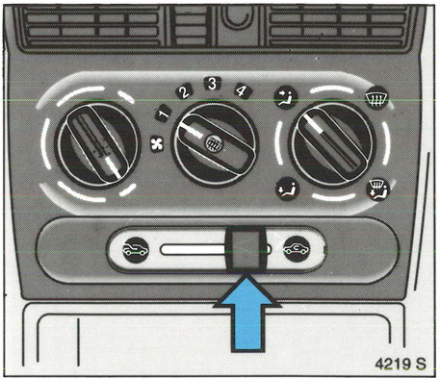
air from foot vents

air from face level vents



HEATING AND AIR CONDITIONING (if fitted)

Air intake switch



Lever to the left: fresh air.

Lever to the right: re-circulated air.

To aid air conditioning, the air intake lever is slightly restricted from full travel when air conditioning is fitted.

When following another vehicle on dusty roads, or to prevent exhaust fumes or odours entering your vehicle, move the switch to the re-circulation position. However, when driving on unsealed roads but where the dust is not airborne, move the switch to fresh. All windows must be closed and the fan preferably on a high speed so that positive air pressure in the vehicle will prevent dust entry.

'Re-circulate' reuses interior air and is therefore not recommended for long periods of time.

If occupants are smoking, it is recommended that the re-circulate position NOT be used, as the tobacco smoke adheres to the air ducts and will produce stale smelling air.

Air conditioning (if fitted)

Air conditioning not only cools the air but also removes moisture. Then, if the temperature dial is moved away from extreme cold, the air will be reheated before entering the cabin.

The air conditioner is switched on by pulling out the dial which controls the temperature. The snowflake symbol on this dial will glow when the air conditioner is operating. The fan automatically runs at low speed, which can be increased if required.

The air conditioning system operates only in the temperature ranges in which it is required; it switches off automatically when the outside temperature is below + 4° C.

To conserve fuel, switch off the air conditioning in cold weather. However, once every two weeks (with the engine running) switch the air conditioner on for 5 to 10 minutes, even in Winter. This will lubricate the air conditioning system.

At least one vent must be open, when the air conditioning is ON, so that the evaporator does not ice up due to a lack of air movement.

AIR CONDITIONING NOTES (if fitted)

Maximum cooling in hot weather or when the vehicle has been left in the sun

Open windows briefly so that warm air can escape rapidly.

- air conditioning switch ON (pull out temperature dial)
- air intake in re-circulate position
- move temperature lever to cold
- fan to highest speed
- set vents dial to "face"
- open all vents

Do not leave re-circulation on for too long, as no outside air is drawn into the vehicle; cabin air is re-circulated.

Normal cooling

- air conditioning switch ON
- air intake to fresh air
- move temperature lever to cold
- fan speed as required
- set vents dial to "face"
- open all vents

Ventilation without air conditioning

To conserve fuel when air does not require cooling.

- air conditioning switch OFF
- air intake switch to fresh
- move temperature lever to cold
- fan as required
- set vents dial to "face"
- open vents

Window demisting and defrosting

- air conditioning switch ON
- temperature lever to hot
- fan as required
- vents dial to "demist"
- open side vents and direct them towards the door windows. For simultaneous warming of the foot area, set vents dial to "face and foot".

HEATING, DEMISTER

Heating

- air conditioning switch OFF
- air intake switch to fresh
- move temperature lever to hot
- fan as required, but not full speed
- vents dial to "foot"

Note that heat will not be available until the engine warms up. Therefore, keep vents closed until the engine has warmed up, then direct vents towards side windows (if required) to aid defrosting.

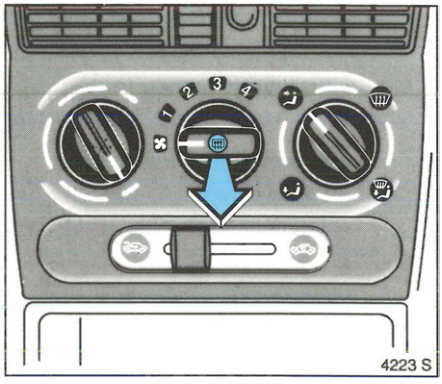
Demister (rear window)

The rear window demister is only operational when the engine is running.

To switch on, pull out the dial which controls the fan speed.

When operating, a symbol in the middle to the fan dial will glow.

Remember to turn off the demister as soon as the rear window is clear.

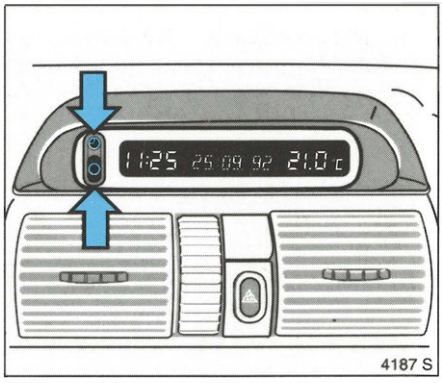


CLOCK

Display shows the time, date and outside temperature when the ignition is ON.

As with the instrument lighting, the brightness of the display (when park/head lights are on) can be adjusted with the knurled knob below the light switch.

When the ignition is off, the display can be illuminated for approx. 15 seconds by briefly pressing one of the buttons on the left side of the display.



Adjusting the display:

- Turn on the ignition and switch off the radio
- Press top button for approximately 2 seconds (hours starts flashing)
  Press bottom button until hours are correct
- Press top button (minutes starts flashing)
  Press bottom button until minutes are correct
- Press top button (day starts flashing)
  Press bottom button until days are correct
- Press top button for approximately 2 seconds (months starts flashing)
  Press bottom button until months are correct
- Press top button (years starts flashing)
  Press bottom button until years are correct)
- Press top button - clock starts at 0 seconds

Outside temperature

Caution: The road surface may be icy, even though the display indicates a few degrees above zero.

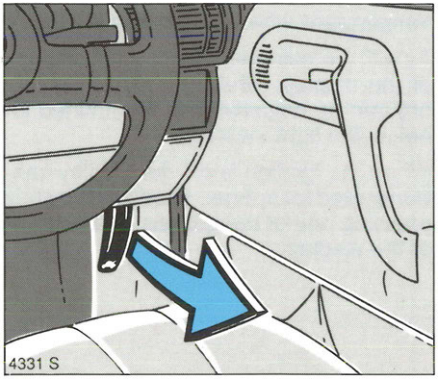
To warn the driver that the road surface may be icy, the display flashes for approx. 20 seconds when the temperature drops below 3° C.

"--.-° C" in the display indicates a fault in the system and you should see your Holden Dealer.

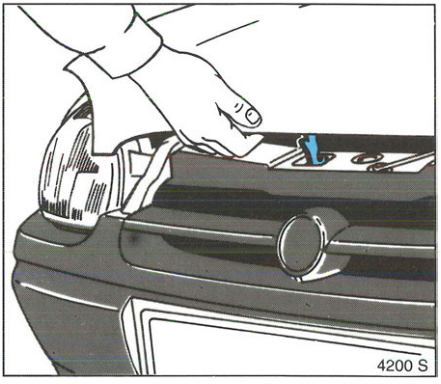
Note that a fall in temperature is indicated immediately, and a rise in temperature after a short delay.

BONNET

From inside the vehicle, pull the lever toward you. This allows the bonnet to release but is prevented from opening by the safety catch.



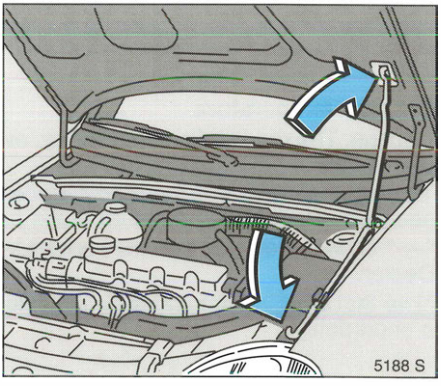
To open completely, lift bonnet slightly, reach in under the bonnet and move the lever upwards (while lifting the bonnet).



Fully open the bonnet. Insert support rod into slot provided.

Before closing, press support rod firmly into holder and lower the bonnet gradually to be finally dropped by its own weight.

Always check that the bonnet is properly closed and that the release lever inside the vehicle has returned to its original position.



Notes

CHAPTER 2

Locks

Page

2-2 Keys
2-2 Door locks
2-3 Rear door lock
2-4 Free turning door locks

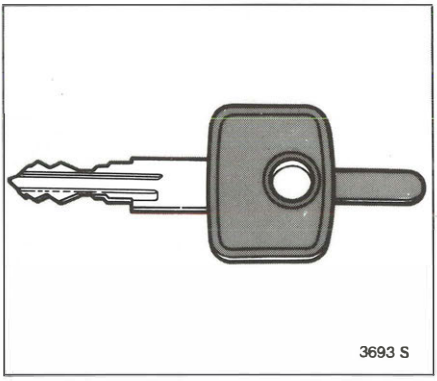
KEYS & LOCKS

Keys

Before placing the key on your key ring, remove the plastic tab (or label) and hide in a safe place away from your car. Then, if your key is lost, a replacement can be ordered through a Holden Dealer by quoting the key code number and providing proof of ownership.

Also note the key code on alloy wheels if they are fitted with locks.

Some cars also have a security card which list various security numbers for your car. As with key numbers, please keep the security card in a safe place, away from your car.



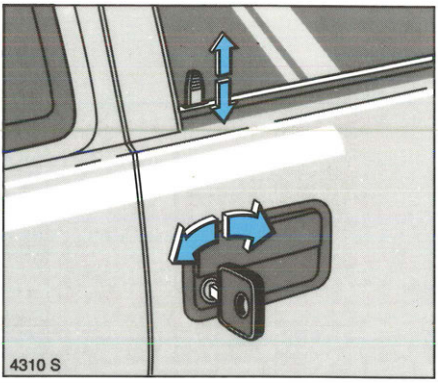
Doors

Doors are locked when the lock button is down and unlocked when the lock button is up.

To open a front door, turn the key in the lock and raise the door handle.

To lock doors from inside, depress the lock button.

If the button on driver's door is depressed when the door is open, it will spring up when the door is closed, thus preventing the driver from being inadvertently locked out. The button will not, however, spring up if the door handle is raised when the door is being closed.



Fuel filler

To unlock filler cap, insert key and turn anticlockwise. Refer Chapter 5 when refuelling.

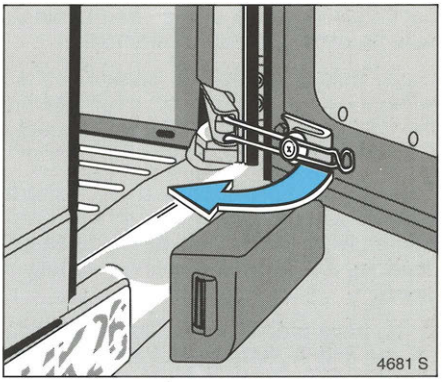
REAR DOOR LOCK

From the outside

Turn the key in the door lock cylinder anti-clockwise to lock the rear doors, or clockwise to unlock the doors.

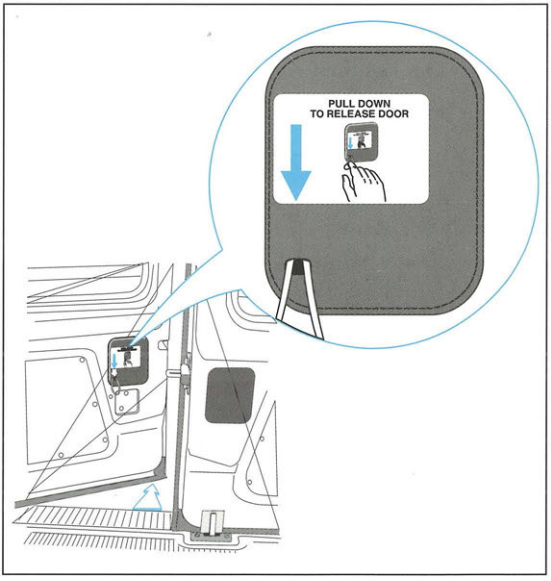
Lift up the handle to open the right-hand door. Then, to open the left-hand door, reach around to the inside of the door and pull up the lock lever.

Both doors can be opened up to 180° by disconnecting the wire at the bottom of each door.



From the inside

Pull the loop down to release the door lock.



Later model vehicles

A different type of release is fitted to later model vehicles. If a release lever is fitted to the vehicle (in the same position as the loop described above) the door is released by moving the lever downwards and opening the door.

FREE-TURNING DOOR LOCKS

Lock cylinders are of the "free-turning" design, preventing unlocking of the door by objects other than the correct key.

If any object, except the correct key is inserted into the lock, the cylinder will rotate without unlocking the door. If the lock has not been damaged, it then can be used with the correct key by the following procedure. Note that if the correct door lock key is not fully inserted the cylinder will "free-turn".

This feature is provided as a theft deterrent - to prevent the lock being forced open. The force required to make the key "free-turn" reduces by 50% each time. **As the force gets easier with each "free-turn" please do not attempt to demonstrate or test this feature,** and always remember to fully insert the key when locking and unlocking the doors.

If you have problems contact your Holden Dealer. Remember that your car is covered for the first 3 years by Roadside Assist, refer Chapter 9.

Procedure for resetting "free-turn", on the driver's side:

- Insert the key fully into the lock, preferably in the vertical position.
- Turn the key slowly anti-clockwise - until you feel a click.
- Then slowly turn clockwise - until you feel a click.
- Return the key to the vertical position (if not already there)
- Withdraw the key at the vertical position.
- Pause, then re-insert the key at the vertical position.
- If the key now locks and unlocks the car the procedure is finished.

If key does not work properly:

- Keep the key in the lock. Turn the key 180° anti-clockwise in the lock cylinder and then repeat the above procedure.

Procedure for passenger's side:

The procedure is the same as for the driver's side, but as the lock faces the other direction it works the opposite way around. Therefore, substitute the word "anti-clockwise" where clockwise appears and visa-versa.

Note that the correct key can still open the door lock on the other side of the vehicle.

Notes

CHAPTER 3

Know your vehicle

Page

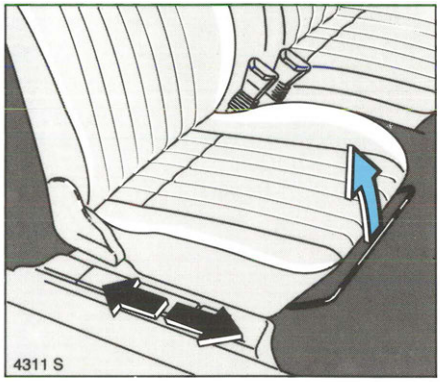
3-2 Seat adjustment
3-4 Seat belts
3-6 Mirrors
3-6 Windows
3-7 Park brake
3-7 Dome (Interior) light
3-7 Luggage compartment light
3-8 Cargo carrier

SEAT ADJUSTMENT

Forward/rearward

Lift the lever at the front of the seat upwards then slide the seat forward or backward. After releasing the lever, try to move the seat back and forth to check that the catch has locked in position.

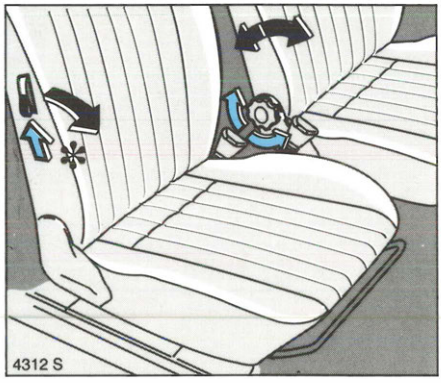
Never adjust the driver's seat whilst driving. The seat could move suddenly and cause the driver to lose control.



Folding seat and recline/incline

The back of the seat can be folded forward by moving the lever illustrated.

To adjust the angle of the back of the seat, turn the large, toothed wheel illustrated.



CAUTION:

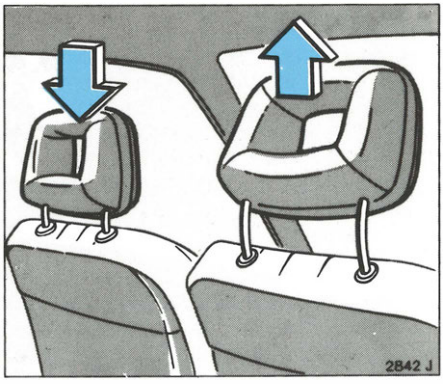
To avoid reducing the effectiveness of seat belts it is recommended that the reclining seats be used in no more than a semi-reclined position when the vehicle is moving. The fully reclined position should be used only when the vehicle is stationary.

SEAT ADJUSTMENT cont.

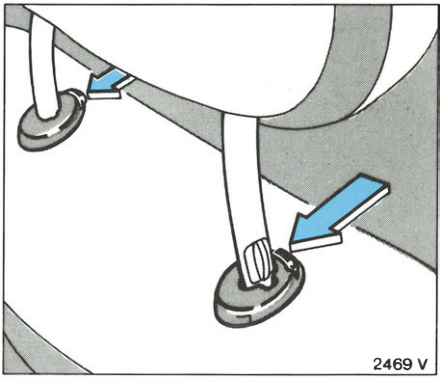
Head restraint

To adjust height, pull up or press down.

The upper edge of the head restraint should be approximately at eye level - never at neck level.

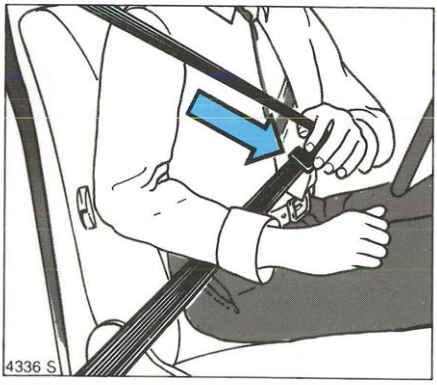


To remove head restraint, release both locking springs while pulling up.



SEAT BELTS

Retractor belts



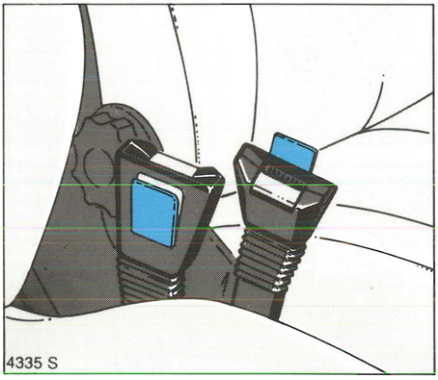
To put on a retractor seat belt, pull the metal tongue across your body and clip it into the buckle. When the metal tongue has locked safely into place you will hear a "click". After fastening, settle the belt at the hip, go across to the buckle, then up under the sash. Any extra belt length will retract automatically.

The lap section should be worn as low as possible on your hips, not on your waist. Make sure the sash and lap sections of the seat belt are free from twists and are fitting firmly.

The emergency-locking retractor belt allows you to move freely while the vehicle is travelling normally. The belt will lock immediately on fast braking, impact with a solid object or any quick movement by the wearer.

To undo the belt, press the release button on the buckle and allow the belt to retract. Check that it fully retracts without twisting or turning.

Mechanical seat belt tensioners



The front seat belt system incorporates (once-only) mechanical belt tensioners. In the event of a frontal collision the belt buckles are pulled downwards; the diagonal and lap belts are instantaneously tightened.

If the mechanical belt tensioners have been actuated the yellow indicator on the belt buckles become visible. Even though the seat belt (apart from this feature) may remain operational, the entire system *must* be replaced by a Holden Dealer.

Australian law requires that the driver and all passengers be properly restrained at all times with the seat belts provided in the car. Failure to do so could increase the chance of injury and/or the severity of injury in accidents.

SEAT BELTS cont.

Seat belt height adjust

- Do not adjust while driving.
- Pull seat belt slightly out.
- Press the arrow on the belt guide (located where the sash of the seat belt attaches to the vehicle - near your shoulder).
- Move seat belt guide up or down, as required.
- Release belt guide at required position and ensure belt guide has clicked into position.
- Short people should select a low belt guide position, tall people a higher one. This will ensure, for both safety and comfort, that the webbing of the seat belt fits on the shoulder.

WARNING:

Seat belts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.

Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the wearer.

Care should be taken to avoid contamination of the webbing with polishes, oil and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. The belt should be replaced if webbing becomes frayed, contaminated or damaged.

It is essential to replace the entire assembly after it has been worn in a severe impact, even if damage to the assembly is not obvious. Belts should not be worn with straps twisted.

Each seat belt assembly must only be used by one occupant; it is dangerous to put a belt around a child being carried on the occupant's lap.

No modification or additions should be made by the user which will either prevent the seat belt adjusting devices from operating to remove slack, or prevent the seat belt assembly from being adjusted to remove slack.

The positioning of the tongue restrictor must never interfere with, or stop, the belt from fully retracting.

Combo models are not fitted with child restraint anchorage points, being classified as "light commercial" models.

MIRRORS AND WINDOWS

Internal rear view mirror

Grasp mirror and swivel to adjust height.

Using the lever on the lower edge, tilt the mirror to reduce dazzle at night.

Exterior mirrors

Grasp the mirror and move the mirror up/down, and in/out, as required.

Windows

Turn the handle on the door to raise or open the windows.

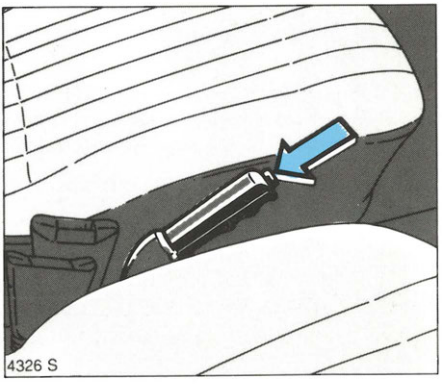
PARK BRAKE & INTERIOR LIGHTS

Park brake

To apply, pull the lever straight up.

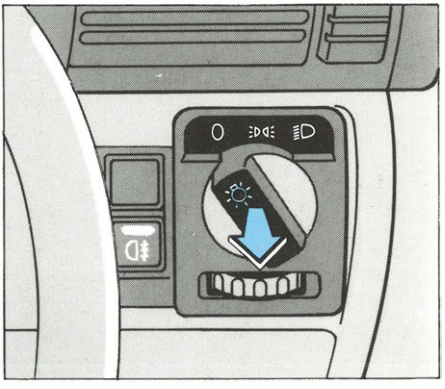
To release, pull the lever slightly upwards, push in the release button on the end of the lever and whilst depressed, lower the lever all the way down.

Never drive the vehicle with the park brake applied.



Interior "dome" light

The dome light comes on when either the light switch is pulled out or a door is opened.



Luggage compartment light

The luggage compartment light comes on when the tailgate/rear door is opened.

CARGO GRILLE

The cargo should be secured so that it cannot slip and must not obstruct the driver's view in the mirror.

The cargo grille helps protect the passengers if the cargo does move, for-instance in an accident or sudden braking. It should therefore be in position at all times when carrying goods in the rear compartment.

The grille can however be removed or reinstalled via the screws on either side of the grille.

Notes

CHAPTER 4

Driving

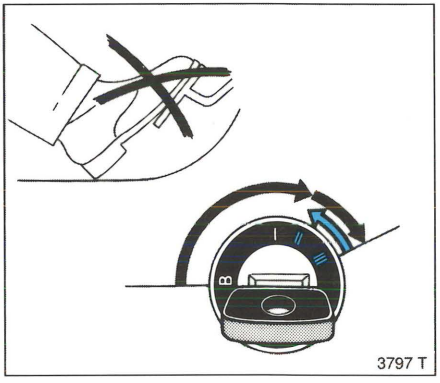
Page

4-2 Engine starting
4-2 Running-in
4-3 Safety
4-4 Manual transmission
4-5 Driving precautions
4-5 Snow chains

ENGINE STARTING

1. Apply the park brake firmly and release only after you have started the engine and are ready to drive off.
2. Depress the clutch pedal and shift the gear lever to Neutral position. The clutch pedal can now be released.
3. Start the engine as outlined below (with your foot off the accelerator).

   For cold or hot starting the procedure is the same. Simply turn the key to the start position and release when the engine starts. YOU DO NOT HAVE TO DEPRESS THE ACCELERATOR PEDAL PRIOR TO, OR DURING, STARTING. DEPRESSING THE ACCELERATOR PEDAL WILL ONLY INCREASE CRANKING TIME AND WILL NOT HELP THE ENGINE TO START.



If the engine won't start and the warning light on the instrument panel is flashing, turn the ignition key to OFF for at least 2 seconds before attempting to start the engine again.

Running-in (for the first 1,000 km).

Drive your vehicle at various speeds. **Do not use full throttle.** Never allow the engine to labour.

Make good use of all gears. Depress the accelerator pedal a maximum of around three quarters of the available pedal travel in all gears and drive ranges.

In the interests of the engine and final drive, do not drive faster than three quarters of maximum speed.

Unless necessary, try not to brake too hard during the first 200 km or after new brake pads have been fitted.

Switching off the engine

If the engine temperature is very high, e.g. after driving in hilly areas, then allow the engine to idle for approximately two minutes (in order to prevent heat accumulation) before switching off the engine.

SAFETY

Before entering the vehicle

1. Check that windows, mirrors and lights are clean.
2. Check tyre inflation.
3. If you intend to reverse, check that the area behind your vehicle is clear.

Before driving off

1. Be sure that all doors are secured.
2. Position your seat for comfortable driving.
3. Adjust rear vision mirrors.
4. FASTEN SEAT BELTS.
5. Check that all the warning indicators light up when you turn the key to start the engine.

Parking

1. Apply the park brake.
2. Manual transmission: If pointing uphill or on flat ground place in FIRST gear.
   If pointing downhill place in REVERSE gear.
3. Shut all windows.
4. Switch off exterior lights.
5. Turn ignition key to LOCK and remove the key.
6. Lock all doors.

CAUTION:

Be careful where you park or drive. As with any vehicle, do not park or operate this vehicle in areas where combustible materials such as dry grass or leaves can come in contact with a hot exhaust system.

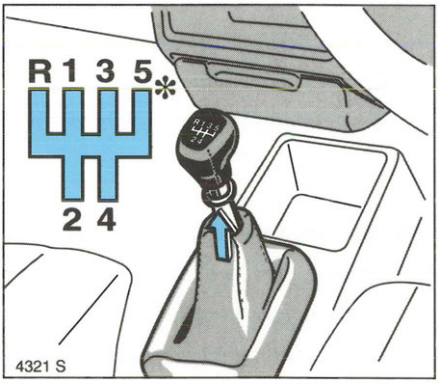
MANUAL TRANSMISSION

This system has 5 forward gears and a reverse gear. The shift pattern illustrated, is also found on the top of the gear shift lever.

When selecting fifth gear you must shift the gear lever sideways against light spring pressure in order to pass into the gear.

To select reverse gear, lift the ring beneath the knob on gear shift lever and move the lever into the reverse position.

If the gear does not engage easily, then release and depress clutch pedal before trying again.



Operating notes

- When shifting from one gear to another, be sure to depress the clutch pedal fully to avoid clashing and possible chipping of the transmission gears.
- Never attempt to engage reverse gear until the vehicle has completely stopped. A slight pause (at least 3 seconds) between depressing the clutch pedal and moving into reverse gear is desirable to allow all the rotating components to stop and avoid gear clashing. Whenever reverse gear is selected with the ignition ON, the reversing lights will operate.
- Shift the gear lever with a moderate effort to allow time for the transmission synchronizers to work properly.
- Do not drive with your foot resting on the clutch pedal. This will cause substantial clutch wear.
- When stopped on an incline do not hold the vehicle by slipping the clutch. Use the park brake or brake pedal.
- To maintain safe speeds on a steep downgrade and to reduce brake wear and overheating, shift into a lower gear before starting the decent.
- Do not over-speed the engine when shifting down to the next lowest gear.

DRIVING PRECAUTIONS

Brakes

- Power assisted brakes, which are fitted to your vehicle, utilise vacuum from the engine when it is running. Never let the vehicle run down steep grades without the engine running. Never coast with the engine switched off.
- Driving through water may affect performance. Applying the brakes lightly will indicate whether they have been affected. To dry them quickly, lightly apply the brakes while maintaining a slow forward speed with an assured clear distance ahead until brake performance returns to normal.
- Brake pedal travel should not be obstructed by ill-fitting floor mats or any other material under the pedal which causes interference with normal pedal movement.
- Your seat should be positioned so that you can reach the brake pedal satisfactorily under all braking conditions.

Power steering (if fitted)

- If the power steering is rendered ineffective because the engine has stalled, the drive belt broken or if the pump reservoir is empty of fluid, the vehicle can still be steered. However, due to the much greater effort required to steer, it is recommended that you have the problem fixed promptly.

Loose articles

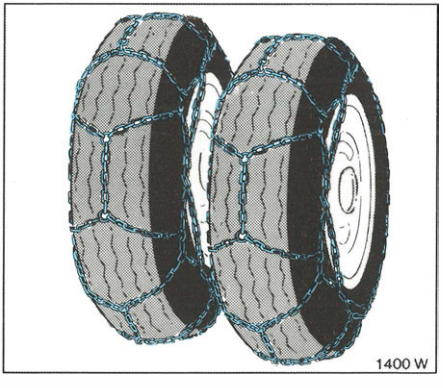
Do not leave loose articles or luggage in the passenger compartment. Whenever possible, loads stowed in the luggage compartment should be firmly secured.

Tyre traction

A decrease in driving, cornering and braking traction occurs when water, snow, ice, gravel or other materials are on the road surface. Driving practices and vehicle speed should be adjusted to the road conditions.

Snow chains

- Combos are 'front wheel drive' vehicles, and as such, snow chains are only fitted on the front (driving) wheels.
- They must be fitted symmetrically on the tyre to ensure that they are seated concentrically. Only fine-linked chains, not protruding more than 15 mm on the tyre tread and inside of the tyre (including the chain lock) should be used.
- Depending on design, large hub caps may come into contact with parts of the chains. In such cases, remove the hub caps.
- Tyre chains can only be used at speeds up to 50 km/h and, when travelling on roads that are free of snow, they should only be used for brief periods since they are subject to rapid wear on a hard road and may snap.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CHAPTER 5

Fuel

Page

5-2 Carbon monoxide caution
5-3 Petrol filling
5-4 Fuel Tank capacities
5-5 Emission Control
5-6 Reducing fuel consumption

PETROL

EXHAUST WARNING - CARBON MONOXIDE POISONING

Exhaust gases can produce carbon monoxide, a dangerous gas, which can cause unconsciousness and even death to both humans and animals.

You could inhale the gases if the exhaust system on your vehicle is faulty.

To protect against exhaust gases entering the vehicle, the exhaust system and body should be inspected:

- each time the vehicle is serviced

- whenever a change is noticed in the sound of the exhaust system

- whenever the exhaust system, underbody or rear of the vehicle is damaged.

Take the vehicle to your Holden Dealer if you think your vehicle needs inspecting for any of the above reasons.

DO NOT SIT (OR LEAVE THE CHILDREN OR PETS) IN A PARKED VEHICLE FOR ANY EXTENDED PERIOD OF TIME WITH THE ENGINE RUNNING. DO NOT RUN THE ENGINE IN AN ENCLOSED AREA (SUCH AS THE GARAGE) ANY LONGER THAN IS NEEDED TO MOVE THE VEHICLE.

Driving with the hatch open is not recommended. If you must travel with hatch open, close all windows, ensure that the heater controls are set to outside (rather than re-circulate) with air directed to the face and the fan on the highest speed. Do not exceed 50 km/h unless necessary.

PETROL

CAUTION:

- Petrol should be regarded as extremely flammable and highly explosive.
- Always turn off the engine when refuelling.
- Do not smoke or allow open flames or sparks near the vehicle when refuelling.
- If petrol fumes are smelt while driving, the cause should be found and corrected without delay.

The petrol filler is located on the driver's side of the vehicle.

Open the flap by hand, insert the key in the fuel cap and turn anticlockwise.

After refilling, tighten the cap clockwise until a clicking noise is heard; turn key clockwise, remove key and close flap.

Over filling of the petrol tank can affect the evaporative Emission Control System and can also result in a smell of petrol inside the vehicle. Therefore:

1. Petrol tanks should always be filled at the intermediate or fast fill rate. Don't add any more petrol after the petrol filler first clicks off (or petrol blows back) - as this allows room for the petrol to expand inside the tank.
2. It is permissible to "trickle fill" petrol tanks when vehicles are to be driven for more than 50 km straight after the tank is filled. However, this is not recommended on hot days (over 30°C).

Wipe off any overflowing petrol from the car immediately.

PETROL

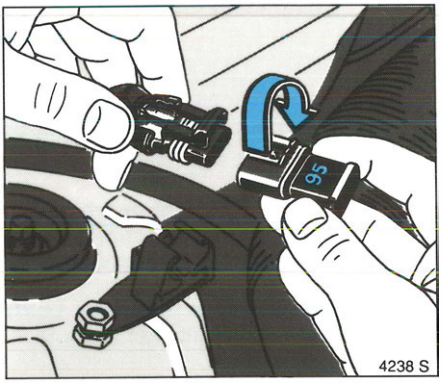
Tank capacity = 50 litres

Petrol filler nozzle restrictor

To help the atmosphere, your vehicle has been designed to operate on UNLEADED PETROL. A petrol nozzle restrictor is fitted to ensure that UNLEADED petrol is used. This allows the thinner, unleaded petrol nozzle to open the hinged flap, so that petrol can be added to the tank. The leaded petrol nozzle is wider and therefore cannot open the flap. The use of fuel other than unleaded fuel will seriously damage the fuel system of your vehicle (particularly the catalytic converter and oxygen sensor) and may void your Warranty.

Petrol requirements R.O.N. (Research Octane Number)

The fuel coding plug, is marked 95 on one side, 91 on the other. This designates the octane rating of the fuel being used in the vehicle.



You may elect to use either UNLEADED 91 octane rating (Research Octane Number) or UNLEADED 95 octane rating.

The programme number (91 octane or 95 octane) can be seen in front of the locking clip. If petrol with the other octane number is to be used, allow the fuel to run low, fill tank, make sure ignition is switched off, release coding plug from retainer, open locking clip, remove coding plug, turn plug over, re-insert into retainer and replace into vehicle.

You should never run the vehicle with low octane (91 rating) petrol if the coding plug is turned to 95 octane.

EMISSION CONTROL

Your vehicle is fitted with emission control systems which are designed to reduce the amount of hydrocarbons (HC), carbon monoxide (CO), and oxides of nitrogen (NOx) that are emitted from the engine and fuel system into the atmosphere. Hydrocarbons and oxides of nitrogen, when exposed to sunlight under certain conditions, contribute to photochemical smog. In addition, carbon monoxide is toxic when it becomes highly concentrated in the air.

The three major emission control systems fitted to your vehicle are:

1. **Evaporative Emission Control System** (Australian Vehicles Only)

   This system is designed to prevent the escape of fuel vapour from the fuel system and recycle them through the normal combustion process.

2. **Crankcase Emission Control System**

   This system is designed to prevent blow-by gases from escaping into the atmosphere and recycle them through the combustion process.

3. **Exhaust Emission Control System**

   The various components of this system operate collectively to limit HC, CO and NOx emissions in the exhaust gas. The exhaust Emission Control System is comprised of components including electronic control of spark, fuel and idle speed. In addition, Australian vehicles have a catalytic converter and closed loop mixture control system.

For detailed information on the operation, servicing and repair procedures for these systems, refer to your vehicle's service manual and/or the emission label inside the engine compartment (on the passenger side strut tower) of your vehicle.

Owner responsibility

Vehicles sold and serviced within Australia have been designed to comply with Australian Design Rules and State Regulation emission requirements.

The engine or exhaust system of your vehicle must NOT be modified in any way. Any change to the Manufacturer's design may increase the emissions or otherwise defeat the intent of the regulations.

Any person who removes, modifies or hinders any part of the emission control system will be contravening regulations. It is also illegal to drive a car modified in this way.

Maintenance requirements

To ensure continuing compliance with the regulations you must maintain your vehicle's emission control system as per your vehicle's service manual, at the frequency shown in the Holden Maintenance Plan in Chapter 12.

It is recommended that the necessary servicing be performed by an authorised Holden Dealer who has the specialised servicing equipment and trained personnel available to ensure that the adjustments and services specified are carried out.

HOW TO REDUCE FUEL CONSUMPTION

Engine

Maintain the engine in peak mechanical condition by having it serviced regularly in accordance with the Holden Maintenance Schedule, refer page 12-4. This will ensure items such as the spark plugs, air cleaner, etc. are maintained for minimum fuel usage and peak engine performance.

Tyre pressure

Keep the tyres at the recommended pressures. Under-inflated tyres create extra rolling resistance which contributes to increased fuel consumption.

Wheel alignment

Maintain correct front wheel alignment. Incorrect alignment makes the front wheels drag and increases fuel consumption.

Warm ups and idling

Avoid long engine warm ups. They are unnecessary and waste fuel. An engine takes approximately five minutes to reach its efficient operating temperature and it does this most effectively when driving.

You should also avoid long engine idling. If your have to wait for more than a couple of minutes turn off the engine to conserve fuel.

Accelerating, driving and braking

Accelerate gently - avoid rapid starts, sudden bursts of speed and full throttle acceleration - they're certain fuel wasters.

Drive the vehicle at steady speeds where possible (after run-in). It is desirable to reach top gear as soon as possible, but under no circumstances should you force the engine to labour in top gear.

Riding the brake

Do not rest your foot on the brake pedal when you do not intend to brake, as this can overheat the brakes, increase brake pad wear, damage the brakes and waste fuel.

Air conditioning (if fitted)

Turn off the air conditioning, when not required.

Notes

CHAPTER 6

Emergencies

Page

6-2 Accidents
6-3 Medical assistance
6-4 Flat tyre
6-8 Engine overheating
6-10 Flat battery
6-12 Air bag (if fitted)
6-14 Towing a disabled vehicle

Your new vehicle is covered for 3 years by 24 hour Roadside Service, refer chapter 9.

ACCIDENTS

All motorists are advised to learn what to do at the scene of an accident, particularly where persons are injured. Injured people can choke to death if their air passages are not cleared. They can bleed to death unless the bleeding is stopped. They may require mouth-to mouth resuscitation or may have to be moved, even though badly injured. It is important that you understand how to avoid further damaging an injured neck or back or other broken limbs. In all cases, ensure safety for rescuers, victims and bystanders.

The following notes may help.

Part 1. Accident - being involved.

If you are involved in an accident you are advised to do as follows:

Stop immediately and remember to turn off the engine and apply the park brake.

Remember that time is vital. Remain calm and alert. Think quickly and clearly.

Give all possible assistance to all injured persons (see Part 3. Medical assistance).

Send for police and ambulance if anyone has been injured. Give information as accurately as possible. Give the exact location, the number of injured people and a brief report on the overall situation.

Perhaps take charge of the situation.

Warn all other traffic approaching the scene. Turn off all ignition switches. Stop any smoking near spilt petrol. In darkness, try and light up the area to warn others, using a torch or headlights (do not use flammable items).

Clear the road of accident debris.

Exchange your name, address, vehicle registration number and the vehicle owner's name and address with the other parties involved in the accident.

If damage to property only has occurred, report the facts to the owner of the damaged property to his or her representative, to any police present at the scene or to the nearest Police Station.

Try to note all important facts because such details may be important if needed later.

Part 2. Accident - being a witness

If you witness a road accident or it becomes your task to stop and help at the scene of an accident:

- Keep in mind that an observant witness can prove most helpful. Some day you yourself might be very glad of help from a witness.
- DO NOT stop at the scene of an accident just to be a spectator.
- Where other people are already in attendance and giving assistance, you should stop only if you can contribute assistance.
- Give what assistance you can to any injured persons. (See Part 3. Medical assistance).
- Follow most of the steps suggested in Part 1. Perhaps you may have to take charge of the accident situation.

ACCIDENTS

Part 3. Medical assistance

Keep calm and think clearly. Your experience may not be much but do your best.

- Look after the unconscious person first. Check airway, breathing and circulation. If no breathing, then check if air passages are clear, i.e. nose and mouth. Use your fingers to clear air passages if necessary. If the air way is clear then mouth-to-mouth resuscitation may be needed at once.

Unconscious people can choke.
Carefully turn to one side.
Tilt the head back slightly.
Wipe out the mouth with your finger to remove blood, vomit, broken teeth or dentures.

- You must be most careful in moving an injured person. Often it is best not to move at all but in conditions of danger, this is not always possible. Serious and permanent damage can be done to an injured neck or back if not supported during movement. NEVER BEND OR TWIST A NECK OR BACK. KEEP THEM STRAIGHT. All injured limbs require support when an injured person has to be moved.
- Provided it is not dangerous to do so because of other injures, an unconscious person will do best in the position illustrated here.

Lay the person on one side and - if it will not aggravate any injuries - then:
Bend the uppermost knee until the thigh is at right angle to the body.
Bend the uppermost arm and elbow so that the hand lies near the face.
Gently pull the underneath arm so that it rests straight on the ground free of any body weight.

- Try to stop bleeding by applying direct pressure, using your hand, or by pressing torn flesh together. Use any clean cloth available. Fold cloths to make pads. If necessary press one pad on top of another. Keep pressure around edges of a wound BUT NEVER USE A TOURNIQUET.
- Shock may be treated by reassurance, relieving pain, controlling any bleeding and keeping the injured person warm but not hot. Best not to give any fluids and NEVER ALCOHOL.
- If the injured person is in danger and has to be moved, try and have three or four people help and concentrate on not bending or twisting the neck, spine and injured limbs. Keeping the neck and spine straight is most important.

Illustrations reproduced from "The Victorian Road Code" with permission from Road Safety and Traffic Authority of Victoria.

FLAT TYRE

If using a jack other than the one supplied with the vehicle, refer Chapter 7 for lifting positions.

CAUTION:

- Use the jack only for lifting the vehicle when changing wheels.
- Never get beneath the vehicle when it is only supported by the jack.
- Do not start or run the engine while the vehicle is only supported by the jack.
- All passengers should be out of the vehicle when it is being jacked.
- Use the jack only at the designated lifting points. Use in other locations could damage the vehicle.
- The vehicle should only be jacked on hard, level surfaces.

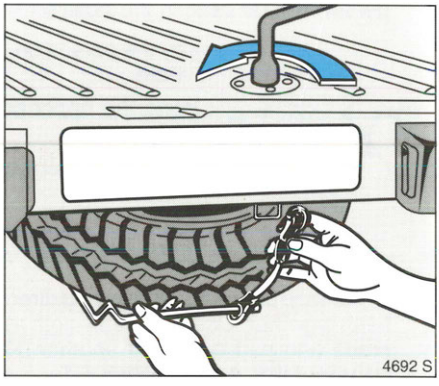
1. Park on level surface, ensure the wheels are pointing straight ahead and set the parking brake firmly.
2. Remove the ignition key (to lock the steering) and place the transmissions in REVERSE gear.
3. Remove the jack and tools which are located behind the passenger's and driver's seats.
4. Remove the spare wheel, which is stored under the rear of the vehicle.

   First loosen the bolt in the load compartment floor using the wheel bolt wrench (located behind the front seats).

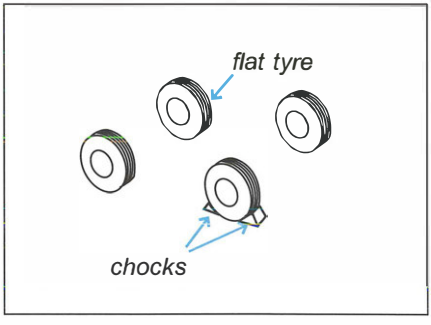
   Then, from underneath, lift the wheel retainer and disengage.

   Undo the securing strap.

   Lower the wheel retainer and remove the wheel.



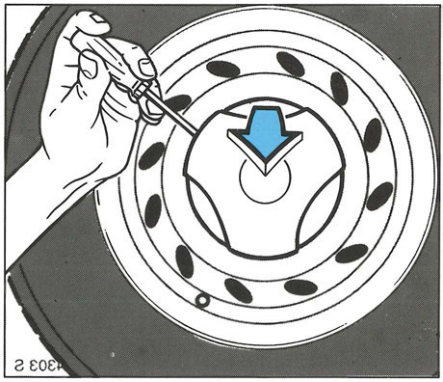
5. Chock the wheel diagonally opposite the flat tyre by placing wedge blocks, any available blocks of wood or rocks behind and in front of it.



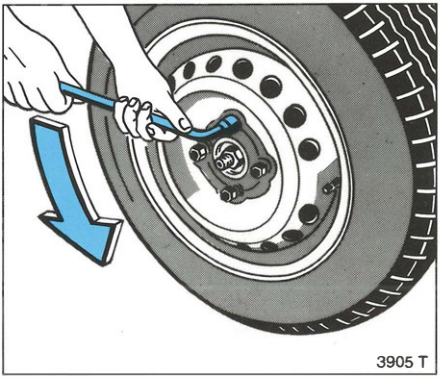
FLAT TYRE

6. Remove the wheel trim:

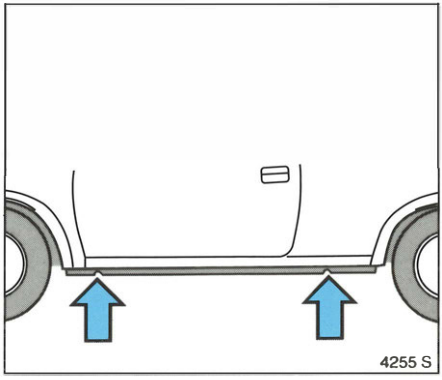
   Insert screwdriver in the recess and remove the hub cap.



7. Loosen (but do not remove) the wheel bolts with wheel bolt wrench.



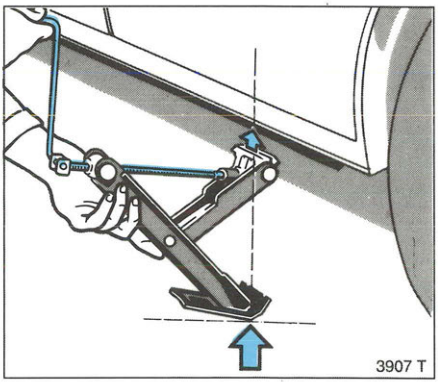
8. Half-circle cut outs on the lower edge of the vehicle's body indicate the points where the jack is to be placed.



FLAT TYRE

9. Position the jack in the recess that is nearest the flat tyre.

   Ensure that the jack claw surrounds the semicircle cutout in the vehicle.



CAUTION:

Failure to position the jack as described above could result in serious personal injury or vehicle damage caused by the vehicle slipping off the jack.

10. Raise the vehicle by turning the crank handle, until the tyre is clear of the ground.

11. Remove the wheel bolts and place together in a dry spot to avoid getting dirt in the threads.

12. Remove the wheel from the vehicle and change it over with the spare.

13. Replace the wheel bolts and tighten by hand. Then, with the wheel wrench, lightly tighten in a crisscross sequence.

14. Lower the vehicle completely and remove the jack.

15. Fully tighten the wheel bolts with the wheel wrench in a crisscross sequence.

FLAT TYRE

16. Press on the wheel/wheel bolt trim. Wheel covers have a valve symbol on the rear of the cover, which should point towards the valve.
Note that on light alloy wheels you should insert the pin on the back of the hub cap into the corresponding hole in the wheel.

17. Stow away wheel, tools, and jack:

Place the wheel in the spare wheel retainer under the rear of the vehicle and lift.

Attach securing strap.

Lift wheel retainer and secure in position.

Tighten bolt in load floor.

Store tools and jack behind front seats.

18. Have the tyre repaired as soon as possible.

CAUTION:

As soon as possible after changing a wheel, you should have the wheel bolts tightened with a torque wrench to 110 Nm and have the new wheel balanced on the vehicle. Wheel bolts should be tightened evenly to the correct torque in a crisscross pattern. Improperly tightened wheel bolts could eventually allow the wheel to come off while the vehicle is moving!

ENGINE OVERHEATING

CAUTION:

Immediate action is required if the engine overheats. This can be indicated by the temperature gauge needle moving over to the right, by steam escaping from under the bonnet, a ioss of power or a ioud knocking or pinging noise.

Continued driving EVEN FOR A SHORT TIME could cause a fire, personal injury or vehicle damage.

Pull out of the traffic as soon as possible and stop the vehicle. Leave the engine idling and the park brake applied while you get out and check that the cooling fan is working.

CAUTION:

Do not open the bonnet if you can see or hear steam or coolant escaping from the engine compartment. Wait until no steam or coolant can be seen or heard before opening the bonnet.

If the fan is working and the temperature gauge needle has not returned to its normal position within a few minutes STOP the engine and remove the ignition key.

Look for leaks at the radiator hoses and connections, heater hoses and connections, radiator and water pump.

Take care when checking all these areas as they will probably still be hot.

IF YOU FIND A MAJOR LEAK OR FIND OTHER PROBLEMS THAT MAY HAVE CAUSED THE ENGINE TO OVERHEAT, DO NOT RUN THE ENGINE UNTIL THESE PROBLEMS HAVE BEEN CORRECTED.

If you do not find anything wrong then you should check the engine coolant level in the surge tank.

CAUTION:

Do not remove cooling system caps if the engine and radiator are still hot. Scalding fluid and steam can be blown out under pressure which could cause serious burns.

When the engine has cooled sufficiently, remove the surge tank cap (refer Chapter 7 for location) as follows:

ENGINE OVERHEATING

Cover the surge tank cap with a thick cloth and slowly turn anticlockwise and remove.

Top up the surge tank with clean water to the centre weld joint WHEN THE ENGINE IS IDLING.

Replace the cap and leave the engine idling for a few minutes.

If, after taking one or more of the above actions, and once the temperature gauge no longer signals an overheat condition you can resume driving at a reduced speed. Return to normal driving after ten minutes if the temperature gauge does not again show an overheat condition.

If overheating occurs again you should have the vehicle attended to, as soon as possible, by a qualified mechanic.

Note that with this type of sealed, pressurised cooling system there should be very little loss of coolant. If the surge tank is low a leak is indicated. Therefore you should see your Holden Dealer as soon as possible to fix the leak.

The engine may temporarily operate at high temperatures during more demanding operating conditions, especially on very hot days. These conditions include:

- climbing a long hill
- stopping immediately after high speed driving
- idling for long periods in traffic
- towing a heavily laden trailer or caravan.

You should avoid operating your vehicle for prolonged periods in any of the above circumstances if the temperature gauge indicates high engine coolant temperature.

Refer Chapter 7, which gives maintenance instructions to help protect your cooling system from overheating.

FLAT BATTERY

CAUTION:

DO NOT attempt to "push start" or "tow start" this vehicle, as it is fitted with a catalytic converter and if uncombusted fuel were to reach the catalytic converter and ignite, the converter could overheat or be destroyed by backfire.

If your vehicle will not start due to a discharged battery, it can often be started by using energy from a battery in another vehicle - a procedure called "jump starting".

However, if after reading the following procedure you are still unsure about "jump starting" we strongly recommend for your safety and that of your vehicle that you leave the starting to a competent mechanic.

Jump starting

CAUTION:

Batteries produce explosive gases, contain corrosive acids and supply levels of electrical current high enough to cause burns. Therefore, to lessen the chance of personal injury when working near a battery:

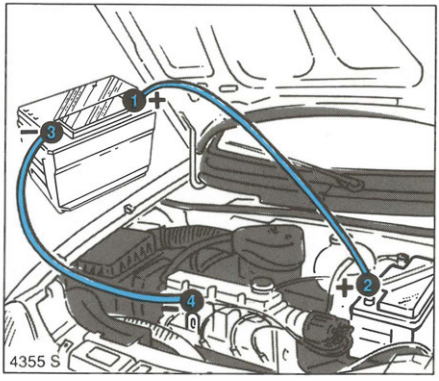
- Do not expose the battery to open flames or sparks. Battery action generates hydrogen gas which is flammable and explosive.
- Do not smoke near a battery.
- Wear eye protection such as industrial safety glasses and avoid leaning over the battery whenever possible.
- Do not allow battery acid to contact eyes or skin. Flush any contacted area with water immediately. In case of eye contact you should get medical help. Battery acid will also damage paint and fabrics if not washed off immediately.
- Be sure any batteries that have filler caps are properly filled with fluid.
- Remove rings, metal watch bands and other metal jewellery before working around the battery.
- Carefully follow each step in the jump starting procedures.
- Never use a quick charger to start your engine.
- Do not lean over the battery during jump starting.

FLAT BATTERY

- The battery of your vehicle has a negative earth and a 12 volt rating. The battery in the other vehicle (that is being used to jump start the flat battery) must be the same voltage and also have a negative earth. The battery capacity of charged battery must not be substantially lower than that of the discharged battery. So, check the specifications in the other vehicle's owner manual to see if it complies. Serious injury or damage may result if the wrong type of battery is used.
- Position the two vehicles so that they are NOT touching and apply the park brakes. Automatic transmissions are to be placed in PARK and manual transmissions placed in NEUTRAL. Turn off ignition and all lights and accessories in both vehicles, except the hazard warning flasher or any lights needed for the work area.

Connect the leads in the order shown in the picture

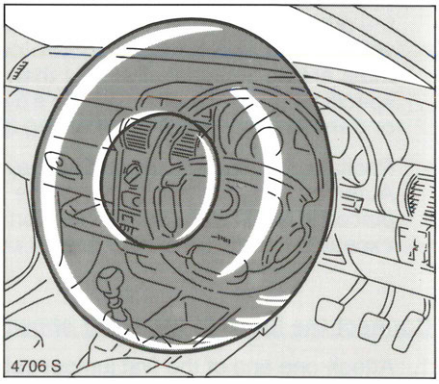
1. Attach one end of the first jumper cable to the positive terminal of the other vehicle's battery (identified by "+" or "P" on the battery case, post or clamp).
2. Connect the other end of the same cable to the positive terminal of your vehicle's battery.
3. Attach one end of the second jumper cable to the negative terminal (identified by "-" or "N" on the battery case, post or clamp).
4. Connect the other end to a solid stationary, metallic point on your vehicle's engine. DO NOT CONNECT DIRECTLY TO NEGATIVE POST OF YOUR VEHICLE'S BATTERY! The connection should be as far away from the discharged battery as possible.



- When making all connections take care that the clamps from one cable do not inadvertently touch the clamps on the other cable. Also, ensure that jumper cables are not on or near pulleys, fans or other points that will move when the engine is started.
- Start the engine in the other vehicle and run the engine at a moderate speed. Then start the engine in your vehicle. Attempts to start the engine with the discharged battery should be made at intervals of one minute and should not last longer than 15 seconds.
- After starting, allow both engines to idle for approx. 3 minutes with the leads still connected.
- Leave the engine running as you remove the jumper cables by reversing the above sequence exactly. While removing each clamp, take care that it does not touch any other metal while the other end remains attached.

AIR BAG (if fitted)

The airbag system is identified by the word "Airbag" on the steering wheel.

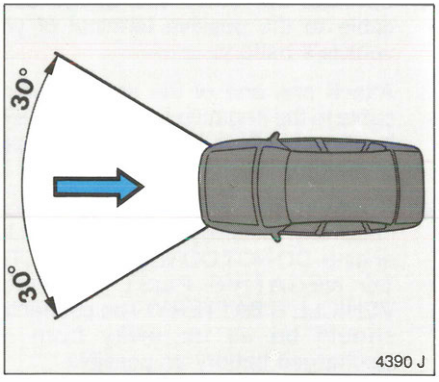


If your vehicle is involved in a severe front end collision, the air bag will inflate, assisting the seat belts to restrain forward body movement.

An operating noise may be heard and a small amount of smoke-like gas will be released. The gas is harmless and does not indicate malfunction or fire.

The air bag will then deflate - the whole process *only taking a moment*.

The air bag assist, but does not replace the seat belts. Air bags are not designed to inflate if the vehicle is hit from the rear or side or the vehicle overturns. *Seat belts (by law) should be worn by all passengers whenever the vehicle is moving.*



Air bags will inflate if the vehicle is struck hard within the non-shaded section. Air bags will not inflate if the vehicle is struck from side, rear, or in some rollovers....always wear a seat belt.

Air bags inflate with great force. If you are too close to an inflating air bag it could seriously injure you. Seat belts help keep you in position for air bag inflation in a crash.

The light on the instrument panel will glow for a few seconds when the ignition is switched ON. This is to indicate that the air bags are operational. If the light *does not* show when the ignition is switched to ON, or if it comes on when driving, you should contact your Holden Dealer.

AIR BAG (if fitted)

After use the whole air bag system will have to be replaced by your Holden Dealer.

The system should also be inspected by a Holden Dealer if the steering wheel or dash board area is scratched, cracked or damaged. Remember that the horn pad must not be covered with adhesive or any other material, as this may hinder air bag operation.

CAUTION:

If a passenger's side air bag is fitted, the dash board area must be kept clear with nothing around this area or hanging from the sun visor.

Extensive design and testing has gone into the air bag system. It is extremely reliable and has very little chance of accidental inflation. It should however, be treated with respect. Any careless or unskilled interference with the system could lead to its failure or to accidental inflation. Any work to the electrical system, steering column, dash board area, steering wheel or air bag system should *only* be carried out by an authorised Holden Dealer.

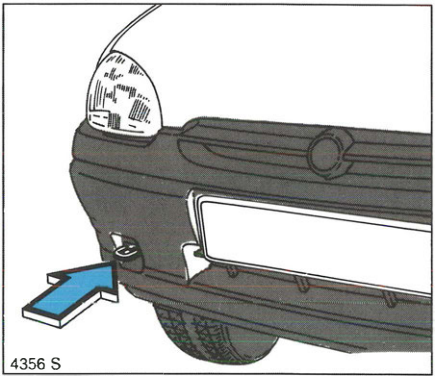
BULL BAR NOTE: Fitting a "bull bar", or making other modifications to the front of the vehicle, may change the impact speed which would normally cause the air bag to inflate, reducing its effectiveness.

TOWING A DISABLED VEHICLE

Towing a disabled Combo

Proper lifting or towing equipment is necessary when lifting or towing the vehicle to prevent damage during any towing operation. State and Local laws must be followed. In an emergency, your vehicle may be towed on all four wheels in the following manner:

- Attach a tow rope to the eye, illustrated. Do not attach to the bumpers or brackets.



- Place transmission in neutral/N position and release the park brake.
- Switch the ignition to position II (on) position. This will free the steering lock and allow the correct operation of windscreen wipers, horn and turn signals.
- For the sake of safety and to prevent damage to the vehicle it is advisable to avoid jerky movements and to drive slowly during towing operations.
- Remember that power assist for brakes and power steering (if fitted) will not be available when the engine is off. Therefore, more effort will be required to brake and steer.
- To prevent the entry of exhaust fumes from the towing vehicle into the passenger compartment of your vehicle, close the windows and stop entry of air by moving heating and ventilation controls to "re-circulate" position.
- If the transmission is defective, or if the above speed or distance is to be exceeded, the front of the vehicle must be raised.
- Only the driver should be in a towed vehicle.

Towing another vehicle from a Combo

Attach a tow rope to the rear towing eye, never to the rear axle. Drive off slowly and avoid jerky movements.

CHAPTER 7

Weekly checks

Page

7-2 Miscellaneous checks
7-2 Service manuals
7-3 Engine oil level
7-4 Engine coolant level
7-5 Power steering fluid level
7-5 Brake fluid level
7-6 Washer fluid level
7-6 Battery
7-7 Fuses
7-8 Tyres
7-11 Trolley jack locations
7-12 Bulb replacement

MISCELLANEOUS CHECKS

As well as taking your vehicle to be serviced (refer Chapter 12) there are a few simple, weekly checks that the owner (or Nominee) is required to make. These are shown on the following pages.

The following checks should also be regularly done to ensure proper safety and dependability of your vehicle.

CHECK:

- that all exterior lights are working and that their appropriate interior indicators light up when in operation.
- mirrors and glass are clean and not scratched.
- the aim of water on the windscreen and condition of the wipers.
- demister operates.
- all seat belt condition and operation (give it a sharp tug to make sure that it will 'lock' if necessary) and check that buckles are clean and operating correctly. Remember that seat belts must never be worn twisted.

Service manuals

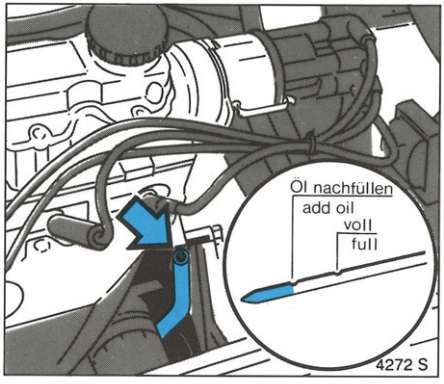
General Motors-Holden's Automotive Limited also publishes various service manuals which are available from your Dealer.

ENGINE OIL LEVEL

It is normal for every engine to consume some oil. For this reason the engine oil level should be checked every 500 km or before starting a long trip.

The oil level must be checked with the vehicle parked on level ground and with the engine (which must be at normal operating temperature) switched off. Wait at least two minutes before checking the level to allow the oil to settle. If the engine is cold the oil may take considerably longer to drain back.

To check the level, remove the oil dipstick, wipe it clean and re-insert it as far as it will go, pause for a second then withdraw the dipstick and look at the oil level on it.



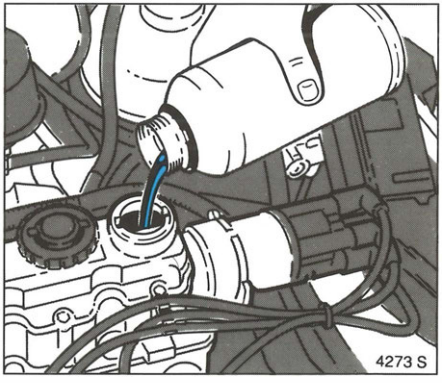
The oil level should be maintained between the two marks.

If you need to add oil, use SG grade engine oil 20W/50 (or 15W/40 for prolonged use in snow areas).

To add oil, undo the cap on top of the engine. Add enough oil to bring the oil level to *full* mark. As a guide, the distance between the marks represents 1 litre of oil.

Wait a few minutes for the oil to settle. Then check the oil level again. If still too low, add more oil. If now correct, replace the oil cap and the dipstick.

Note that the oil level should not go above the *full* mark on the dipstick. This would lead, for example, to increased oil consumption, fouling of the spark plugs and excessive formation of carbon residue.

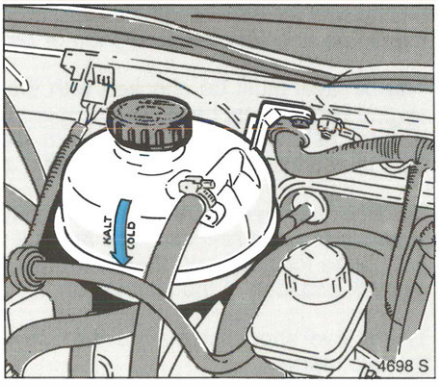


Oil consumption should not be judged until the vehicle has run several thousand kilometres. It may take this long for oil consumption to stabilize.

NOTE: Non-detergent and other low quality oils are specifically not recommended. The use of break-in oil, tune up compounds, friction reducing compounds and other supplemental additives are not recommended. Their use will not only increase costs, but may be detrimental to the operation of your vehicle.

ENGINE COOLANT LEVEL

The level of coolant should be checked at least weekly. This is simply a matter of looking at the level in the plastic container when the engine is cold.



The level should be slightly above the KALT/COLD mark when the engine is cold. The level rises when the engine is running and drops again when the engine cools down. If the level falls below the 'cold' mark the coolant should be topped up to a little over the mark.

The LONG LIFE COOLANT in your vehicle conforms to Holden specification number HN 2217.

If topping up, first mix a solution of 50% LONG LIFE COOLANT and 50% water.

Failure to use the coolant meeting Holden's specification or maintaining the specified concentration may result in voiding your warranty.

In an emergency, plain water may be used temporarily in the cooling system until the correct Holden LONG LIFE COOLANT is obtained as soon as possible from the nearest Holden Dealer.

It should be noted that the specified long life coolant contains special corrosion inhibitors for the best corrosion protection of your engine and cooling system. This LONG LIFE COOLANT also gives your cooling system greater hot weather protection by increasing the boiling point and in addition provides protection in cold weather conditions down to -37°C, provided the correct concentration is maintained.

If you regularly have to top up the cooling system, you should see your Holden Dealer.

CAUTION:

Corrosion inhibitors and antifreeze fluids are poisonous. Use extreme care when handling. If swallowed seek medical attention. Do not remove the cooling system cap if the engine and radiator are still hot. Scalding fluid and steam can be blown out under pressure which could cause serious burns.

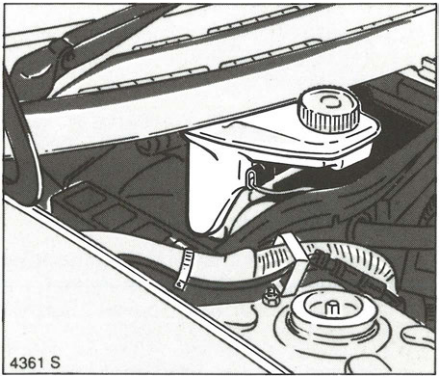
Refer Chapter 6 if engine overheats.

BRAKE & POWER STEERING FLUID LEVEL

Brake fluid level

Caution:

Brake fluid is poisonous and will damage the paint finish of your vehicle if spilt.



The brake fluid in the master cylinder should be checked weekly. The master cylinder is located in the engine bay, on the driver's side of the vehicle.

The fluid level, visible in the see through master cylinder, should be maintained between the MIN and MAX level markings (shown in the cutout at the side of the master cylinder).

If the fluid is between these levels do not remove the master cylinder cap. Remember that brake fluid exposed to the atmosphere will quickly absorb moisture which in turn lowers the boiling point of the fluid as well as increasing risk of corrosion of brake components.

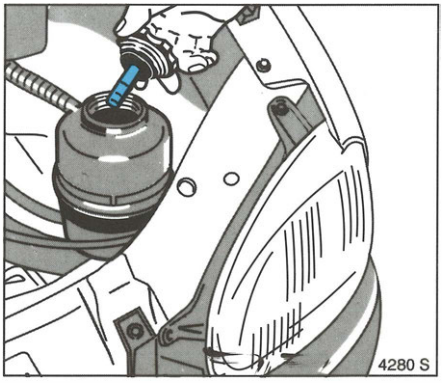
If fluid needs to be added, first clean around the cap. Top up with heavy duty brake fluid which meets SAE Specification J1703, DOT 4.

Remember to secure the cap.

NOTE: Use only new brake fluid. Use of an old, used or inferior brake fluid may endanger the functioning of the brake system.

If the master cylinder requires constant topping up it could indicate that a malfunction exists and you should immediately see your Holden Dealer.

Power steering fluid level (if fitted)



The container for the power steering fluid is located in the engine bay. Check the fluid level when the engine is turned off.

Unscrew and carefully remove the cap on top of the container. The dipstick is attached to the cap.

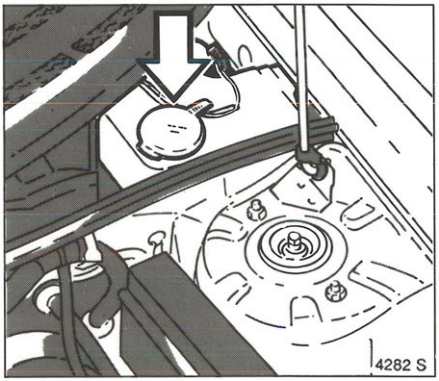
If the vehicle has been driven for a while the fluid level should be at the upper level mark. When the fluid is cold the level should be at the lower mark (but never lower).

If fluid needs to be added, use Dexron®11E or Dexron®111.

Do not overfill. Remember to replace the cap tightly. If you often need to add fluid, you should see your Holden Dealer.

WASHER FLUID LEVEL & BATTERY

Washer fluid level



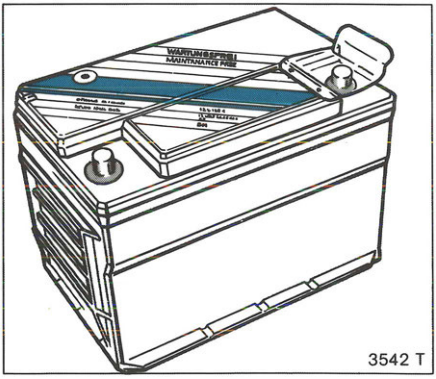
As the washer fluid is constantly used the level should be checked weekly and topped up as required.

The washer container is located under the bonnet, on the passenger's side. On some models it is to the rear of the engine bay, on other models it is located further towards the front of the vehicle.

One of the two styles (both illustrated) will be fitted to your model. Both styles have a flip top cap, which must be secured after filling.

For a crystal clear windscreen, the correct amount of Optikleen (part no M39826) can be added. Do not use ordinary soap or detergent as these not only froth up but will also damage the wiper rubbers.

Battery



Your vehicle is fitted with a maintenance free battery.

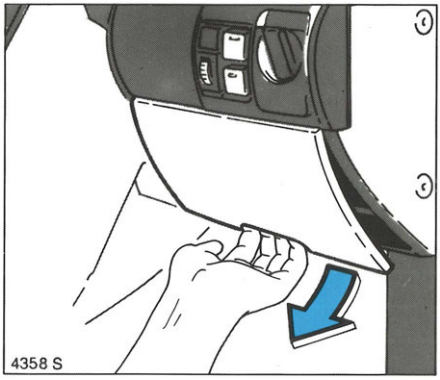
Note: You should never disconnect the battery when the engine is running.

If removing the battery for recharging, first disconnect the negative cable, then the positive cable. Never charge the battery while still connected to the vehicle. When reconnecting, first connect the positive cable to the positive post of the battery, and then the negative cable to the negative post of the battery.

Ensure the plastic cover is installed over the positive terminal.

FUSES

The fuses are located under a cover inside the vehicle, to the right of the steering column. Pull the cover up from the bottom.

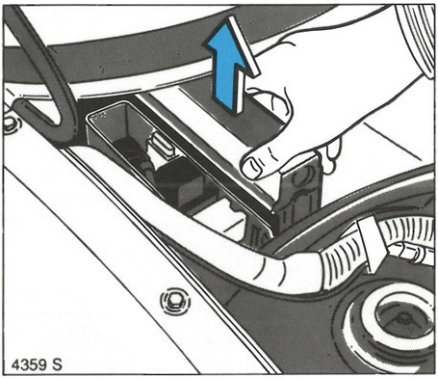


Fuse symbols are shown on the inside of the cover.

Fuses used are of the blade type with the amperage values moulded into the head. To determine whether or not a fuse has "blown", it is necessary to pull out the suspect fuse and examine the element in the fuse. If the element has broken, replace the fuse with one of the same value.

Note that you must pull the rounded tab upwards when replacing the fuse block in its original position.

If after replacing a burnt-out fuse the new fuse also burns out, an overload is indicated. The cause of the fault should be located and rectified, preferably by a Holden Dealer.



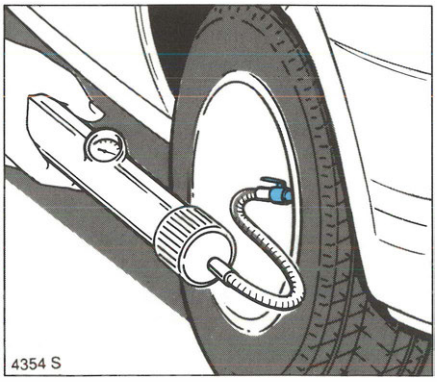
CAUTION:

When replacing a fuse be sure to use a fuse of the specified amperage. Never install a wire or similar device to replace a fuse, as it could damage electrical components and may cause a fire hazard to your vehicle.

Relays are located in the fuse box. Further relays (and additional fuses) are located in the engine bay.

TYRES

Tyre air pressure



Checking the air pressure of your tyres (including the spare) ensures your safety, as well as reducing fuel consumption and increasing the life of your tyres.

Make sure your vehicle will handle at its best - check the pressures weekly. For constant long distance or rough road travelling, daily checking is recommended.

For correct pressure for your tyres, refer to the tyre placard, on the inside of the fuel flap.

Tyre inflation pressure increases when the tyres have been driven more than 2 km. The pressure should be checked when the tyres are cold (stationary for over 3 hours). If they must be checked when warm/hot, allow pressure to read 10% above that recommended.

Always use a tyre pressure gauge to check the tyres - simply looking at the tyres is not sufficient.

If the pressure is too low, this can result in considerable tyre warm-up and internal damage, leading to tread separation and even to tyre blowout at high speeds.

Remember to put back any valve dust caps or extensions, if so equipped. This stops dirt and moisture from fouling the valves.

When checking the tyre air pressure, take a look at the condition of the tyre tread and inspect for stones or abnormal wear.

Alignment and balance

Improper wheel alignment can cause the tyres to wear faster and to wear unevenly. It can also cause the vehicle to "pull" to the left or right.

Out-of-balance wheels and tyres can cause annoying vibration and uneven tyre wear such as cupping and flat spots.

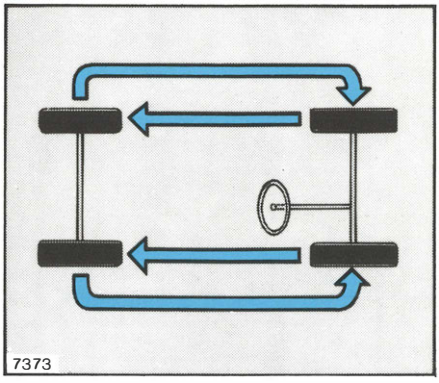
If you have any reason to suspect that either of the above problems exists then have a wheel alignment and balance check done by your Holden Dealer.

TYRES

Tyre inspection and rotation

Front and rear tyres perform different jobs and can wear differently depending on the types of roads driven, your driving habits, wheel alignment and balance, tyre pressures etc.

Tyre condition will be checked for you when you take your vehicle to be serviced by your Holden Dealer, who will be able to diagnose any unusual signs of wear. If the tyres are rotated it is recommended that the balance be checked at the same time.



Heavy treads

Caution must be exercised when using tyres with heavy treads, including tyres designed to gain traction in bad weather conditions. At sustained high speeds, this type of tyre will run at higher temperatures than standard tyres and consequently should only be operated within the limits recommended by the manufacturer.

Any doubts concerning the fitness of the tyres on your vehicle for the purpose you require should be referred to your Holden Dealer.

Wheel replacement

When replacing wheels for any reason, ensure that the new wheels are equivalent in diameter, rim width, offset and mounting configuration to those originally installed in your vehicle.

NOTE: Replacing your factory fitted wheels and tyres with non specified wheels and tyres may affect your warranty as well as your motor vehicle insurance policy.

Tyre traction

CAUTION:

A decrease in driving, cornering and braking traction occurs when water, snow, ice, gravel or other material is on the road surface. Driving practises and speed should be adjusted to the road conditions.

When driving on wet or slushy roads, it is possible for a wedge of water to build up between the tyre and road surface. This phenomenon, known as hydroplaning, may cause partial or complete loss of traction, which adversely affects control and stopping ability. To reduce the possibility of traction loss, the following precautions should be observed.

1. Reduce speeds during rainstorms, when roads are slushy or if the road has standing water or puddles.
2. Replace tyres when tread wear indicators are visible.
3. Check that tyres are properly inflated.

TYRES

Tyre replacement and repair

CAUTION:

Do not mix different tyre construction types, such as radial and cross ply, on your vehicle except in emergencies, because your vehicle's handling could be affected and may result in loss of control.

When replacing tyres you should use the same size, load rating and construction type as the original tyres on your vehicle. Refer to tyre placard on your vehicle for tyre size and load rating. Using a different size or type of tyre may affect such things as ride, handling, speedometer/odometer calibration, ground clearance and tyre clearance to the body or chassis.

Tyres with a higher speed rating and/or maximum load rating in excess of that listed are also acceptable as replacements provided they are fitted to a suitable rim size.

New tyres should be fitted in pairs to the front. If replacing only one tyre, it should be paired on the same axle with the least worn of the other three.

You should replace your tyres when:

1. The tyres are worn to the point where the tread indicators appear, or the cord or fabric is showing.
2. The tread or side wall is cut, split, or cracked deep enough to expose the cord or fabric.
3. The tyre has a bump or bulge in it, indicating some kind of internal damage.
4. The tyre has a puncture, cut or other damage which can't be repaired because of the size or location of the damage.

If in doubt about the extent of damage to the tyre, have it removed from the wheel and examined by a tyre specialist.

If a pressure loss occurs while driving, do not attempt to drive on the deflated tyre more than is necessary to stop safely. Driving even a short distance on a deflated tyre can damage it and the wheel beyond repair.

When an object which has punctured the tyre is removed, repairs are to be made in accordance with the tyre manufacture's recommendations.

CAUTION:

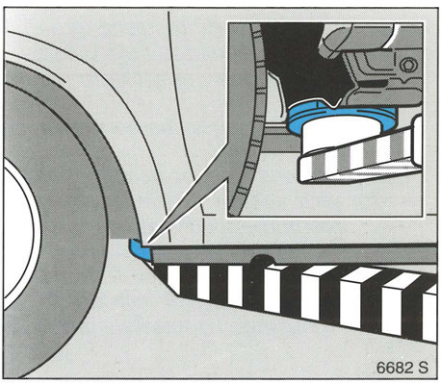
Tyres which have been repaired or retreaded will not be able to be operated safely at high speeds. Therefore, their use is not recommended.

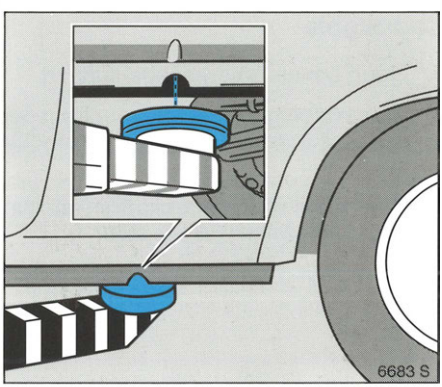
TROLLEY JACK / HOIST LOCATIONS

You should always use the jack locations shown on page 6-7 when using the original jack supplied with your vehicle. This jack has been designed to correctly and safely lift your car, provided the cautions in Chapter 6 are observed.

However, if using a trolley jack or hoist to raise the vehicle, it is important that the jack be positioned as shown.

When using lifting or jacking equipment with metal jaws, use a rubber pad to avoid damaging the vehicle.





BULB REPLACEMENT cont.

When replacing a bulb, turn off the respective switch.

Do not touch bulbs with bare hands. Greasy fingers will cause stains which evaporate, eventually resulting in a dull light. Grease spots on Halogen bulbs will, within a short time lead to bulb failures. Inadvertently stained bulbs may be cleaned with tissue paper, or a clean, non-fuzzy cloth, using alcohol or white spirits.

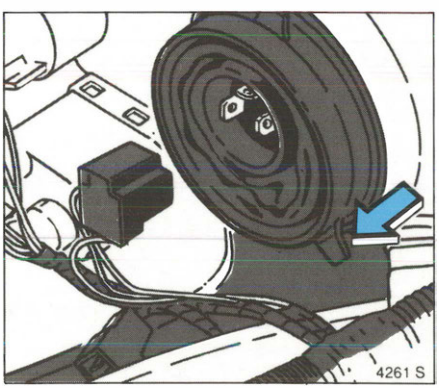
When replacing bulbs do not exceed the wattage given on the bulb base.

Detailed procedures for headlight aiming are given in the relevant service manual for your vehicle. However, because headlight aiming is a safety item it is recommended that you have it carried out by your Holden Dealer.

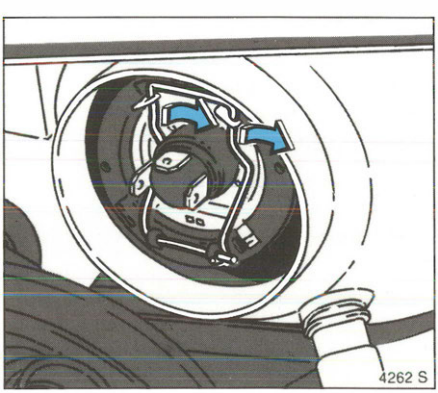
To facilitate access to the front right lights remove the air duct by: rotating the yellow rotary fastener 90° with a coin, lifting and then removing the air duct from air cleaner housing. To reinstall, insert air duct into air cleaner housing and secure yellow fastener.

Headlights

1. Open bonnet and engage support.
2. Remove plug socket and wire from bulb base. Remove headlight protective cover.
3. Disengage spring wire clip from retaining lugs and swivel it to the side.



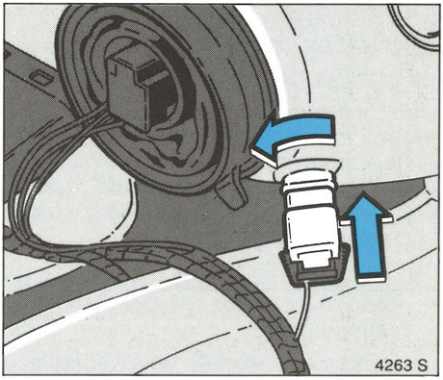
4. Remove bulb from reflector housing.
5. When installing new bulb, engage fixing lugs of bulb holder in recesses on reflector.



BULB REPLACEMENT cont.

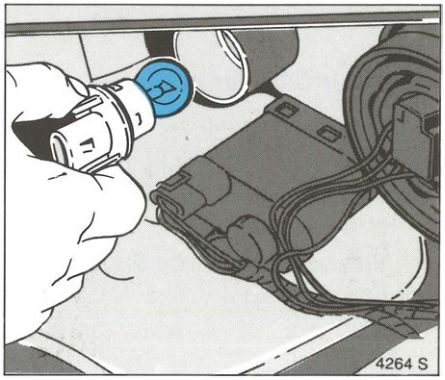
Parking lights

1. Open bonnet and engage support.
2. Press bulb holder towards reflector, disengage by turning anticlockwise and remove.
3. Remove bulb from holder.
4. Insert new bulb.



Front turn signal lights

1. Open bonnet and engage support.
2. Disengage bulb holder from turn signal light reflector by turning.
3. Remove bulb from holder.
4. Insert new bulb and engage holder again by turning.



Front fog lights (if fitted), high mounted stop light (if fitted) and instrument lighting

The work should preferably be carried out by a Holden Dealer.

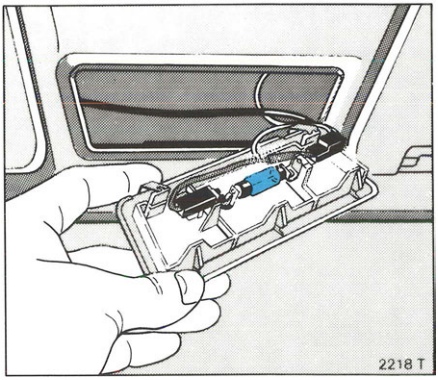
BULB REPLACEMENT cont.

Interior light, glovebox light, luggage compartment light,

Before removing the interior light, close the doors so that the light is not live. Likewise, when removing the luggage compartment light, make sure that the contact switch is kept depressed so that the light is not live.

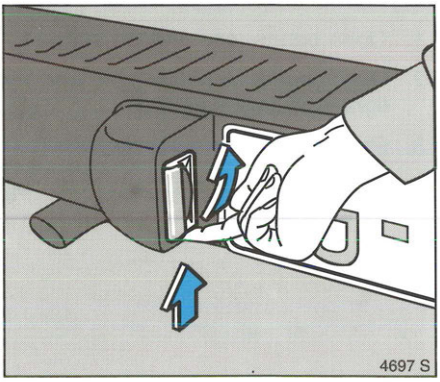
1. Prise lens out of recess,

   If vehicle fitted with anti-theft system, only lever out the appropriate lens of the interior light.
2. Press bulb slightly towards spring clip and remove.
3. Insert new bulb.



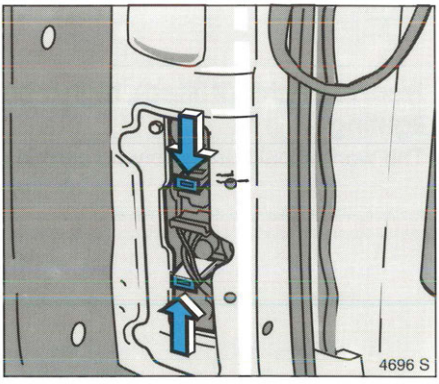
Number plate light

1. Move light assembly up and down to disengage from bump stop.
2. Press tongue inwards and open light housing.
3. Remove bulb from holder.
4. Insert new bulb



Tail, brake, rear turn signal, reverse lights, rear fog lights

1. Press retaining lugs at top and bottom of bulb mounting towards each other and remove bulb mounting.
2. Bulb sequence from top to bottom:
   Tail light / rear fog light
   Turn signal light
   Reverse light
   Brake light
3. Remove defective bulb from holder.
4. Insert new bulb and engage bulb mounting again (make sure that all locking elements engage).



Notes

CHAPTER 8

Specifications

Page

8-2 Engine specifications
8-3 Transmission specifications
8-3 Dimensions
8-3 Battery
8-3 Fuel
8-4 Identifications plates

ENGINE SPECIFICATIONS

Engine type	1.4 litre, overhead cam
No of cylinders	4
Piston displacement	1389 cc
Compression ratio	9.4 : 1
Oil specification	Service classification SG or SH. Viscosity grade 20W/50 for normal use, Holden's Motor Oil part no M40106 (5 litres) is recommended. For prolonged use in snow areas, the use of 15W/40 is recommended.
Refill oil capacity (including filter)	3.5 litres approx.
Coolant capacity	5.8 litres approx.
Coolant spec.	50% water and 50% long life coolant conforming to Holden's specification number HN 2217

GENERAL SPECIFICATIONS

Transmission

	5 speed manual
Refill oil capacity	1.9 litres
Fluid specification	Gear oil 80W GL4 to GMH Spec. HN1820, HN1855 or equivalent

Dimensions (mm)

Overall length	4,230 mm
Overall width	2,060 mm
Overall height	1,805 mm
Wheel base	2,480 mm
Front track width	1,387 mm
Rear track width	1,427 mm

Battery

Type	12 volt
Amp. hour	60 a. h.

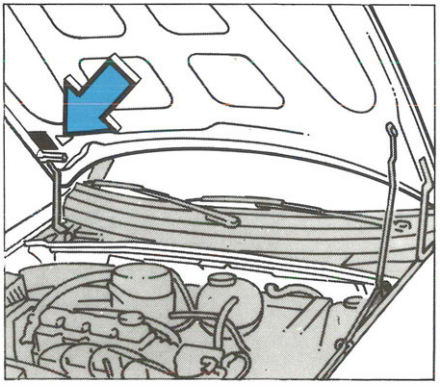
Fuel

Tank capacity	50 litres
Fuel type	Unleaded petrol
Octane rating	Use either 91 or 95 octane, dependant on fuel coding plug. Refer chaper 5.

IDENTIFICATION LABELS

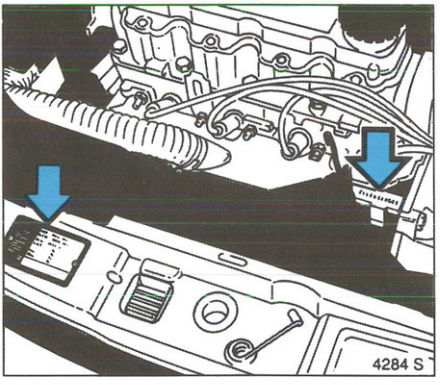
Emission label

This label shows the relevant tune-up information required to maintain minimum exhaust emissions and is located on the underside of the bonnet.



Engine number

Individual identification numbers are stamped onto the engine, near the engine oil dipstick.



Body and option identification plate

The BODY AND OPTION IDENTIFICATION plate is located on the radiator support panel. Included on this plate is the built date of your vehicle, which is defined as "the date of manufacture" by calendar month and year in which the body shell and power train sub-assemblies are co-joined and the vehicle is driven or moved from the production line.

On later built vehicles this plate will be located on the flat side of the door lock pillar, visible when the door is open.

Safety compliance plate

The SAFETY COMPLIANCE plate is located inside the engine bay, on the driver's side strut tower.

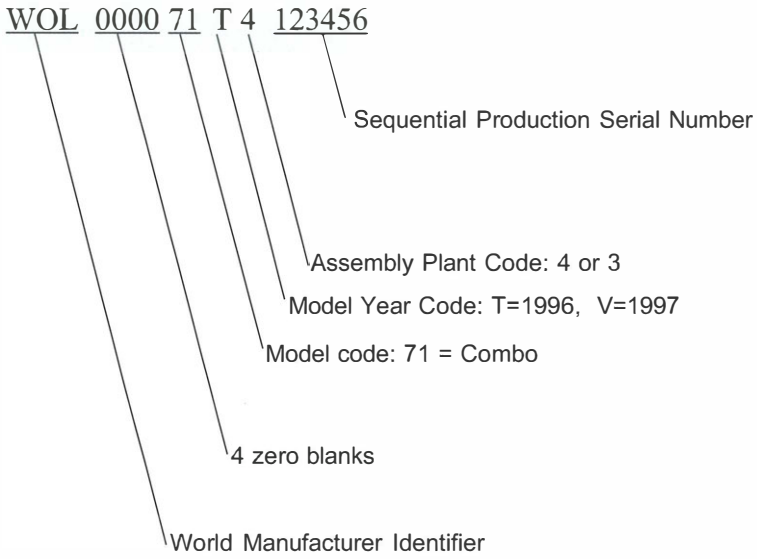
Tyre placard

The TYRE PLACARD is located on the inside of the fuel filler flap.

IDENTIFICATION LABELS

Vehicle identification number (I.S.O.V.I.N.)

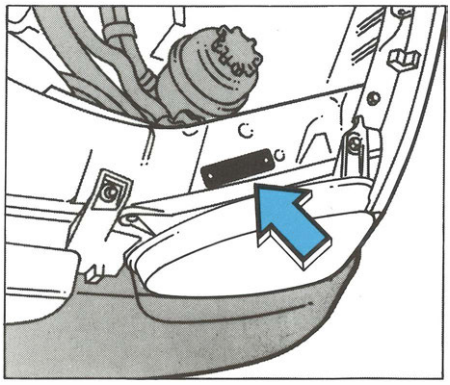
The individual I.S.O.V.I.N. number (example below) appears on the Body and Identification Plate. This number is used for identification of parts.


WOL 0000 71 T 4 123456
Sequential Production Serial Number
Assembly Plant Code: 4 or 3
Model Year Code: T=1996, V=1997
Model code: 71 = Combo
4 zero blanks
World Manufacturer Identifier

Holden Identification Plate

The Holden Identification Plate is located on the radiator support panel.

The Holden number is used for warranty idendification, Roadside assist identification etc.



CHAPTER 9

After Sales

Page

9-2 New Vehicle Warranty
9-4 Parts and Accessories Warranty
9-5 Warranty questions & answers
9-8 HoldenWise
9-10 Roadside service
9-12 Customer assistance
9-13 Authorised Holden Dealers

Note: Dealership names, phone numbers and addresses may change after the printing of this Handbook. The list contains both Authorised Holden Dealers and Authorised Holden Service Operations.

NEW VEHICLE WARRANTY CERTIFICATE

General Motors - Holden's Automotive Ltd. A.C.N. 006 893 232, hereinafter Holden, warrants that it will make good without charge, any defect which appears in the vehicle identified in the vehicle identification certificate, found on the inside front cover of this handbook, by the Dealer (or as otherwise decided by Holden) making good the defect by repair or, at the option of Holden, by replacement, provided that:

1. the defect has been notified to an authorised Holden Dealer or Service Dealer:

   (a) before the vehicle has travelled a distance of 50,000 km or,

   (b) within 24 months of the date of delivery of the vehicle to the first retail purchaser (or in the case of a demonstrator vehicle within 24 months of the date when it was first placed into service by the Dealer)

   whichever comes first,* AND *for the Powertrain Warranty

   the defect has been notified to an authorised Holden Dealer or Service Dealer:

   (c) before the vehicle has travelled a distance of 100,000 km or,

   (d) within 36 months of the date of delivery of the vehicle to the first retail purchaser (or in the case of a demonstrator vehicle within 36 months of the date when it was first placed into service by the Dealer)

   whichever comes first, AND

2. the vehicle has been returned to an authorised Holden Dealer or Service Dealer

   AND

   the Dealer has determined that the defect complained of is one of workmanship and is not caused by
   (a) misuse or abuse of the vehicle such as by racing, rallying, overloading, etc., or by neglect
   (b) operation of the vehicle after it is known to be defective
   (c) accident or deliberate act
   (d) atmospheric fallout or flood, hail, salt, etc.
   (e) failure to carry out proper maintenance service
   (f) use of incorrect types and grades of fuel, oil or lubricants
   (g) alteration or modification of the vehicle by any party not authorised by Holden
   (h) the fitting of parts or accessories not marketed by Holden
   (i) any work carried out on the vehicle by someone other than an authorised Holden Dealer or Service Dealer,

Excluded from the 24/50 Vehicle Warranty are:

defects in tyres (these being warranted by their manufacturers), batteries (which are covered for 12 months) and services such as engine tuning, brake adjustment, replacement of air/oil/fuel filters, wiper rubbers etc., which are required as part of normal vehicle maintenance.

NEW VEHICLE WARRANTY CERTIFICATE cont.

Covered by the 36/100 Powertrain Warranty are:

1. **ENGINE**

   a) **BASIC ENGINE ASSEMBLY PLUS**

   Intake manifold; exhaust manifold; super charger; turbo charger; intercooler; seals and gaskets; mountings; flywheel; E.F.I. components; carburettor/throttle body; fuel pump; injection pump; vacuum pump; injector nozzles; hoses and pipes for vacuum and EGR and PCV and fuel systems; fluid coupling; water pump.

   b) **EMISSION CONTROL**

   Air pump; air injection manifold; air suction manifold and valve; throttle positioner; modulator; catalytic converter; positive crank case ventilation system; air injection by air suction system; emission control system; exhaust gas re-circulation system.

   c) **ENGINE RELATED COMPUTERS**

   Engine control computer; emission control computer; E.F.I. computer; sensors.

2. **TRANSMISSION**

   Transmission; transaxle; transfer case assembly; torque converter; transmission control computer; mountings; seals and gaskets.

3. **CLUTCH**

   Cover Assembly

4. **FRONT / REAR AXLE**

   Axle Housing, Drive Shaft, Constant Velocity Joint, Propeller Shaft, Axle Hub, Axle Shaft, Bearing, Hub Bolts, Nuts, Oil Seals.

5. **SAFETY RESTRAINT**

   Seat Belts, Sensor Switch, Air Bag, Computer.

Excluded from the 36/100 Powertrain Warranty (but included in the 24/50 Vehicle Warranty) are:

Radiator; heater core; shock absorbers; springs and suspension mounting components; exhaust system; ignition coil/module; distributor; alternator; starter motor; fuel tank; transmission external linkages; wheels; instrumentation switches; spark plug leads plus any other components not specifically listed in Powertrain components shown above.

This Warranty applies only to vehicles operated in Australia and is given to the person who is entitled to possession of the vehicle whether as owner, lessee or otherwise and is given in addition to all rights conferred by law on that person. Owners of vehicles operated outside Australia should consult their local dealer regarding the warranty applicable to their vehicles.

PARTS AND ACCESSORIES WARRANTY

Holden warrants in respect of Holden Parts and Accessories ("Parts" and "Accessories") that it will make good by repair or at its option by replacement any defect occurring in any such Parts and Accessories within 12 months from the date of acquisition or in the case of a Part or Accessory installed in a vehicle by a Holden Dealer or Service Dealer, within 24 months or before such vehicle has travelled a distance of 50,000 km from the date of installation, whichever first occurs.

Excluded from this warranty are maintenance items such as filters, spark plugs, wiper blades, etc. which require replacement as part of normal vehicle maintenance.

PARTS AND ACCESSORIES WARRANTY EXPLANATION

i ACCESSORIES - NEW VEHICLE

Accessories installed by a Holden Dealer or authorised Service Dealer to the new vehicle at the time of purchase are covered by the Holden New Vehicle warranty.

ii PARTS AND ACCESSORIES - INSTALLED DURING NEW VEHICLE WARRANTY PERIOD

Parts and/or Accessories installed by the Dealer or authorised Service Dealer during the new vehicle warranty period are covered by the unexpired portion of the new vehicle warranty. After expiry of the new vehicle warranty, the Parts and Accessories warranty will apply until the expiration of 24 months/50,000 km (whichever occurs first) from date of fitment.

iii PARTS AND ACCESSORIES - INSTALLED AFTER EXPIRY OF NEW VEHICLE WARRANTY

Parts and/or Accessories installed by the Dealer or Service Dealer after expiration of the new vehicle warranty are covered by the Parts and Accessories warranty of 24 months or 50,000 km (whichever occurs first) from date of fitment.

iv PARTS AND ACCESSORIES - PURCHASED AT RETAIL OR TRADE

Parts and/or Accessories purchased at trade or retail and installed by other than the Dealer or Service Dealer are warranted for 12 months from date of purchase. In these instances it is necessary to preserve proof of sale records to support warranty claims.

v PARTS AND ACCESSORIES WARRANTY EXCLUSIONS

Defects in tyres, these being warranted by their manufacturers, batteries which are covered for 12 months and maintenance service items, such as spark plugs, oil/air/fuel filters, coolant/inhibitor, wiper rubbers, brake pads, linings and discs, clutch linings, refrigerant, drive belts, distributor ignition points, bulbs and fuses, which are warranted against manufacturing defect existing at time of installation.

Where this Handbook specifies a schedule for replacement of parts, such parts are covered by parts warranty for the extent for the specified maintenance service interval.

WARRANTY QUESTIONS

This section is designed to assist you in understanding the Holden Warranty provided with your new vehicle.

The following are some of the most frequently asked questions, for which detailed answers have been provided.

Q 1. How do I go about obtaining Holden Warranty Service?

It is the responsibility of the Selling Dealer to provide Holden Warranty service, therefore you should take your vehicle to the Selling Dealer whenever Holden Warranty service is needed. However, if this is not possible, you may go to any other Authorised Holden Dealer. The details recorded inside the front cover of this handbook will be required by the Dealer.

Q 2. What should I do if my vehicle becomes unsafe or inoperative as a result of a defect which is covered by the Holden New Vehicle Warranty?

You should contact the nearest Authorised Holden Dealer or Holden Customer Assistance Service (refer last page of this chapter) as soon as possible, and arrange for that Dealer to carry out the required Holden Warranty Service.

Q 3. What should I do if, in an emergency, Holden Warranty service is required and an Authorised Holden Dealer is not available to provide such service at the time?

If, in an emergency, a repair, replacement or adjustment (covered by the Holden New Vehicle Warranty) is required to enable your vehicle to be operated safely and it is not practical for you to go to an Authorised Holden Dealer, the service (to the extent that it is necessary to enable your vehicle to be operated safely) may be performed by any other qualified mechanic or repairer. A claim for the reasonable cost may be made through the Authorised Holden Dealer who would normally provide you with Holden Warranty Service. You must also take your vehicle to the Authorised Holden Dealer for inspection of the service and/or completion of any required Holden Warranty Service, as soon as possible.

Note: During normal business hours you should seek authorisation from your nearest Authorised Holden Dealer or Holden Customer Assistance Service, prior to repairs being commenced.

Q 4. Are damage or injury, loss of time, inconvenience, commercial or other direct or indirect loss covered by the Holden Warranty?

No, these items are not covered. Holden warranty only covers the repair, replacement or adjustment of those parts of your vehicle which are found to be defective in materials or workmanship. No other types of claim for compensation of any kind, even if the same resulted from a consequence of a defect in materials or workmanship in your vehicle, will be recognised under the Holden New Vehicle Warranty.

You may have rights under the law to claim compensation outside of the Holden New Vehicle Warranty, but any claim based on those rights should be separately pursued.

WARRANTY QUESTIONS

Q 5. Will I have to pay for maintenance costs during the Warranty Period?

Maintenance costs are not covered by the Holden New Vehicle Warranty. The Maintenance Schedules in this handbook specify the *minimum* maintenance required for your vehicle operating under normal conditions.

The Maintenance items (except where they are required as a result of defects in materials or workmanship) for which you will have to pay for include:

- Engine tune-up, including spark plugs replacement.
- Replacement of all filters, engine and other belts, hoses, wiper blades, clutch linings.
- Cleaning or flushing of fuel, coolant, brake, engine, transmission, differential, power steering etc., after 1,500 km.
- Carbon and sludge removal.
- Maintenance servicing of emission control system devices.
- Adding to (or replacing) lubricants.
- Adding to (or replacing) air conditioning refrigerant, after 1,500 km.
- Any necessary adjustments to drive belts, transmissions, clutch, park brake etc.
- Wheel balancing - after 5,000 km.
- Wheel alignment.
- De-dusting or de-glazing of brake linings or pads - after 1,500 km.
- Brake lining wear or damage.
- Brake disc pad or disc wear.
- Battery recharging.
- Paint, bright metal finish and trim, due to normal deterioration.
- Body panel adjustment - after 1,500 km.
- Door, or bonnet lock adjustments.
- Glass or channel adjustments - after 1,500 km.
- Body rattle, squeaks and general tightening of bolts, fasteners and fittings - after 1,500 km.
- Chipped glass or breakage.
- Torn or damaged floor mats or carpets.
- Normal wear and tear to trim components.

Q 6. Are my tyres covered by the Holden New Vehicle Warranty?

No. The tyres fitted to your vehicle are covered by a separate warranty provided by the tyre manufacturer. Any Authorised Holden Dealer will assist you by discussing any queries which you might have with respect to the tyre manufacturer's warranty with the tyre manufacturer's representative.

WARRANTY QUESTIONS

Q 7. Are Holden parts and accessories covered by warranties?

If you buy a Holden part or accessory from an Authorised Holden Dealer it will be warranted by that Dealer, under the Holden parts and accessories Warranty, against defects in materials or workmanship for 12 months, from the date of purchase. In the case of a Holden part or accessory which has been installed in a vehicle by a Holden Dealer, it will be warranted for 24 months or 50,000 km (whichever occurs first) from the date of installation.

Defects in tyres (these being warranted by their manufacturers), batteries (which are covered for 12 months) and maintenance items such as filters, spark plugs, wiper blades and brake pads/linings require replacement as part of normal maintenance. Such replacements are not the subject of this warranty.

Q 8. Will I have to pay for any costs or expenses in connection with the provision of Holden Warranty service?

All parts and labour used in carrying out Holden Warranty Service at the premises of the Servicing Dealer are free of charge. Whenever Holden Warranty service is to be carried out by the Servicing Dealer it is your responsibility to deliver your vehicle to the Servicing Dealer's premises.

If, as a result of a defect which is covered by the Holden New Vehicle Warranty, your vehicle cannot be driven safely and you arrange for the nearest Authorised Holden Dealer to carry out the required Holden Warranty Service, Holden will accept reasonable towing costs to move your vehicle to the nearest Holden Dealer's premises. Before employing a towing company, contact the nearest Holden Dealer and/or Holden Customer Assistance Service (refer last page of this chapter) to obtain guidance.

Q 9. Would my vehicle's engine benefit from fuel additives, oil additives or coolant additives not marketed by Holden ?

The use of break-in oil, tune-up compounds, friction-reducing compounds and other supplemental additives is not recommended; their use will not only increase operating costs, but may also be detrimental to the operation of your vehicle.

Only the fluids and lubricants referred to in this handbook should be used.

HOLDENWISE

Holden, a lot more than just a vehicle

As you'll soon discover, your new Holden is a lot more than just a vehicle..... because every Holden comes with one very special feature, HoldenWise.

HoldenWise was created to offer Holden owners the best Australia wide customer care system possible. To do this we've drawn on all the technical resources and service skills of Holden. However, the key to our service is and always will be, people, with over 5,000 Holden service and parts specialists spread across the country. Thanks to them, we can offer HoldenWise Customer care at participating Holden Dealers with complete confidence.

Holden Specialists

HoldenWise technicians have been specially trained by the factory and have the experience in service and parts skills necessary to work on your vehicle. As you can imagine Holdens today are a lot more sophisticated than they used to be, which means specialist service is essential.

Knowing Holdens so well, our technicians know exactly how long each service takes, which is why Holden dealers can offer fixed price servicing.

HoldenWise Fixed Price Servicing

HoldenWise has eliminated one of the big worries about vehicle services, not knowing what the bill will be. Every participating Dealer service centre offers fixed price servicing. You need only ask and you'll be given a quote on how much the job will cost before it's started. So there are no nasty surprises when paying the bill.

Of course, if during the service, a problem is discovered, you'll be telephoned immediately before any more work is done.

You may be comforted to know that all participating Dealer work is covered by a workmanship warranty.

HoldenWise Workmanship Warranty

All services and repairs are covered by a 6 month/10,000 km Dealer warranty on workmanship. If a fault arises during that period, due to the service, your Holden Dealer will fix it. But workmanship isn't the only thing that is guaranteed.

HOLDENWISE

Holden Parts Warranty

The parts used in HoldenWise services are manufactured and tested to the same high standards as the originals, so Holden quality parts carry the same 24 month/50,000 km warranty when fitted by the Dealer. Naturally the warranty does not apply to normal maintenance parts like oil filters and spark plugs.

The HoldenWise Network

Most HoldenWise Dealer service and parts centres are computer linked through to the factory, which means you'll never have to wait an eternity for the right parts to be found.

What's more, with around 350 Dealers nationwide, you'll never be far from the same high standard of service.

Holden Accessories

Holden accessories are designed and approved as an integral part of your vehicle so you know they will fit and function precisely. When installed by the Holden Dealer to your new vehicle, Holden accessories are covered by the Holden warranty of 24 months or 50,000 km for your added protection.

Customer Assistance

Finally, we suggest you read page 9-12 of this chapter for information on Holden's Customer Assistance Service.

UNAUTHORISED STATEMENTS IN RELATION TO HOLDEN PRODUCTS

No Holden Dealer or other person is authorised or permitted to give or make any statement assertion or undertaking in relation to the quality, performance, characteristics, descriptions or fitness for any purpose of any Holden product or in connection with the supply of any Holden product, which is at variance with any written statement assertion or undertaking on any of these subjects given or made by Holden in its published sales literature, and the Company does not accept any such unauthorised action.

HOLDENWISE Roadside service

3 YEAR
24 HOUR ROADSIDE SERVICE

OUR COMMITMENT TO YOUR SATISFACTION

HoldenWise Roadside Service is part of the unequalled commitment of Holden's to provide total motoring satisfaction.

From the moment delivery is made, our aim is to provide the finest possible ownership experience, from design through manufacturing to servicing, and now beyond to the open road.

HoldenWise Roadside Service is your key to worry free motoring - one that covers you from your driveway to the open road, Australia-wide.

We hope the need never arises, but if it does, we'll be there to help through HoldenWise Roadside Service.

HOW DOES HOLDENWISE ROADSIDE SERVICE WORK?

When you decide to buy a new Holden, you will have made a wise purchase decision and you will become a member of an exclusive club of Holden owners, covered by a 24 hour a day, 365 day a year, professional service for 3 years.

HoldenWise Roadside Service is provided by General Motors-Holden's Automotive Ltd., and delivered by the collective resources of the Australian Automobile Clubs and Associations (the constituents of the Australian Automobile Association) the 'AAA'.

WHICH VEHICLES ARE COVERED BY THE SERVICE?

As of 1st November 1993 all new Holden passenger and light commercial vehicles are covered for 36 months service.

HoldenWise Roadside Service is extended to private and business vehicles, taxis, rental companies, all government and fleet operators.

WHAT WILL HOLDENWISE ROADSIDE SERVICE DO FOR ME?

HoldenWise Roadside Service is designed to get you mobile after your vehicle has become disabled on a constructed road that is trafficable to normal two wheel drive vehicles.

Your vehicle must be disabled due to (non-collision related) mechanical failure/driver fault i.e. flat tyre, flat battery, locked out of the vehicle, or have simply run out of petrol.

Where permanent repairs are either not possible or practicable, temporary repairs will be carried out, or the vehicle towed to a Holden Dealer or approved repairer.

WHEN DO THE BENEFITS BEGIN?

Cover begins the moment a Holden vehicle is purchased. An Interim Registration card entitles you to immediately receive all the benefits of HoldenWise Roadside Service.

WHERE CAN I GET HOLDENWISE ROADSIDE SERVICE?

The professional service of HoldenWise Roadside Service is available to you at home, or at the roadside, anywhere in Australia, should you need it.

HOLDENWISE Roadside service

WHAT HAPPENS IF MY VEHICLE NEEDS MAJOR REPAIRS?

In the case of a breakdown where the vehicle cannot be made driveable or where temporary repairs may void the warranty, HoldenWise Roadside Service will provide towing to the nearest Holden Dealer, or if not geographically practicable, to the local 'AAA' constituent service facility. It is the responsibility of the owner to seek Holden's approval before any repairs are undertaken by a non Holden Dealership. This action will ensure the warranty remains valid.

During an after-hours' breakdown and where the metropolitan Holden Dealer or 'AAA' constituent's approved repairer is not open, the vehicle may be towed to any other location nominated by the driver not exceeding 20 kilometres from the point of breakdown.

IS THERE ANY MEMBERSHIP OR JOINING FEE?

No, you will not be required to pay any fees. Every new Holden passenger vehicle and light commercial vehicle owner is eligible for HoldenWise Roadside Service for 36months.

WHAT WILL HOLDENWISE ROADSIDE SERVICE COST ME?

Materials, fuel and spare parts supplied during the service must be paid for at the time of the service. The service personnel attending will issue a receipt for these expenses. Reimbursement of expenses covered by Holden's warranty can be claimed by contacting the local Holden Dealer.

WHAT HAPPENS IF I SELL MY VEHICLE?

Holdenwise Roadside Service stays with the vehicle, so if you sell your vehicle during the 36 month period, it is still eligible for the service. The new owner simply registers for the service by using the change of ownership form supplied in the member's kit.

ROADSIDE 'ULTRA' - PRESTIGE CARS

Some luxury models receive the additional cover of 'Roadside Ultra'. This cover provides the new owner with all the benefits of HoldenWise Roadside Service along with some very valuable extras, including accommodation, alternative transportation, rental car and Australia-wide vehicle recovery.

HSV - HOLDEN SPECIAL VEHICLES

Purchasers of Holden Special Vehicles automatically qualify for the coveted HSV Gold Lion package. This package provides the Gold Lion Member with all the benefits of HoldenWise Roadside Service and where applicable, the enhancement package 'Roadside Ultra'.

HOW DO I CALL FOR SERVICE?

Simply call **1800 817 100**, the HoldenWise toll free number from anywhere in Australia.

The HoldenWise Roadside Service Kit contains full details of the service and any limitations that may apply. In the meantime further information is available from the toll free Holden Customer Assistance Service line, on **1800 033 349**.

CUSTOMER ASSISTANCE

We want you to be happy with your new vehicle, together with the people you deal with while you have the vehicle.

Normally, any problems with the sales, operation or servicing of your vehicle will be handled by your Dealer's Sales and Service Department.

We realize however, that, with the best intentions, misunderstandings do occur sometimes.

Therefore, we suggest you discuss any concern with one of the Dealer's management people. If you haven't received satisfaction from the Sales Manager or Service Manager - go to the General Manager or to the Dealer himself.

By now you should have satisfaction. If not, the Holden Customer Assistance office is at your disposal.

The Holden Customer Assistance representatives can be telephoned from anywhere within Australia for only the cost of a local call. The Melbourne area number is 9 646 5466. Outside the Melbourne Metropolitan area, the number is 1800 03 3349.

If your concern relates to parts/accessories and you have made contact with the Dealer or Distributor without satisfaction, you may contact Holden Service Parts Operations on (03) 9 797 7341

Naturally, telephoning is the quickest and the best way to contact. However, if you prefer to write the address is:

The Manager
Holden Customer Assistance Services
GPO Box 343C
Melbourne, 3001.

Your letter should clearly outline your concern or query, and include the following:

- Your name and address
- Telephone numbers, both private & business
- Servicing Dealership's name and address
- Vehicle model
- Vehicle identification number (I.S.O.V.I.N.), refer to the inside front cover of this Handbook.
- Date of purchase
- Current odometer reading

Most of this information will be found on the Vehicle Identification Certificate, located inside the front cover of this handbook.

Before you write however, remember that the telephone is the quicker and more efficient means of communication.

HOLDEN DEALERS

N.S.W. Metropolitan

ARNCLIFFE
Suttons Motors Arncliffe P/L
93 Princes Highway
P: (02) 335 9000 FAX: (02) 335 9006

ASHFIELD
Muirs Holden
252 Parramatta Road
P: (02) 798 8888 Fax: (02) 799 7010

BALGOWLAH
James Langfield Holden
164 Condamine Street
P: (02) 9949 1888 Fax: (02) 9949 7237

BANKSTOWN
Princeton Holden
466 Chapel Road
P: (02) 790 1234 Fax: (02) 790 0033

BLACKTOWN
West City Holden
120~128 Sunnyholt Road
P: (02) 622 7333 Fax: (02) 671 7394

CABRAMATTA
John Abrahams Holden
266~284 Hume Highway
P: (02) 728 7333 Fax: (02) 726 1085

CAMPBELLTOWN
Paul Wakeling Holden
Cnr Blaxland & Campbelltown Rds
P: (046) 281 444 Fax: (046) 283 262

CASTLE HILL
Windsor Road Holden
Cnr Victoria Ave/Windsor Rd
P: (02) 894 6666 Fax: (02) 894 5600

CHATSWOOD
Sundell Holden
Cnr Smith & Gibbes Street
P: (02) 9417 8431

CHULLORA
Suttons Motors (Chullora) P/L
Cnr Hume Hwy/Waterloo Rd
P: (02) 642 0233 Fax: (02) 642 7798

DEE WHY
Peninsula Holden
Cnr May & Mooramba Roads
P: (02) 9982 1311 Fax: (02) 9982 3755

GORDON
Sundell Holden
Cnr Pacific Hwy/McIntyre St
P: (02) 498 7766 Fax: (02) 498 2906

HOMEBUSH
Suttons Motors Homebush P/L
112 Parramatta Road
P: (02) 746 4500 Fax: (02) 746 7206

LAKEMBA
Glen Fulton Holden Lakemba
817 Canterbury Road
P: (02) 740 5555 Fax: (02) 740 5907

LIVERPOOL
A.C. McGrath & Co Pty Ltd -
411~419 Hume Highway
P: (02) 602 8399 Fax: (02) 821 1993

NEWPORT
Newport Car Care Centre
340 Barrenjoey Road
P: (02) 9999 1254

PARRAMATTA
Boyded Holden Parramatta
65 Church Street
P: (02) 204 6666 Fax: (02) 635 6346

PENNANT HILLS
Barry Smith Holden
351~355 Pennant Hills Road
P: (02) 481 8222 Fax: (02) 484 7475

PENRITH
Penrith City Holden
Cnr Henry St & Macquarie Pl
P: (047) 321 966 Fax: (047) 215 896

PENRITH
John Young Holden
39~47 Henry Street
P: (047) 321 966

ROCKDALE
Peter Terry Holden
571 Princes Hwy
P: (02) 567 0321 Fax: (02) 597 7395

ROSEBERY
Suttons City Holden
Link Road
P: (02) 9931 3000 Fax: (02) 9931 3001

RYDE
Hunter Holden
603~605 Victoria Road
P: (02) 808 9123 Fax: (02) 809 6592

SPRINGWOOD
Springwood Holden
15 Ferguson Road
P: (047) 511 911 Fax: (047) 512 481

ST LEONARDS
New Hunter Holden
4 Herbert Street
P: (02) 9906 4044 Fax: (02) 439 4635

ST. MARY'S
John Young Holden
Cnr Glossop & Harris Streets
P: (02) 673 2111 Fax: (02) 673 4932

SUTHERLAND
Greg Ball Holden
499~505 Princes Highway
P: (02) 545 4811 Fax: (02) 545 2533

WAITARA
Suttons Motors Waitara P/L
90 Pacific Hwy
P: (02) 487 2222 Fax: (02) 489 0009

WINDSOR
Hawkesbury Valley Holden
18 Macquarie Street
P: (045) 774 077 Fax: (045) 772 592

HOLDEN DEALERS CONT.

N.S.W. Country

ALBURY
McRae White Holden
647~657 Dean Street
P: (060) 211 444 Fax: (060) 212 866

ARMIDALE
New State Motors
103 Rusden Street
P: (067) 729 444 Fax: (067) 725 836

BALLINA
Quayside Motors
Pacific Highway
P: (066) 865 111 Fax: (066) 868 574

BARHAM
Hall's Motors Pty Ltd
44 Noorong Street
P: (054) 532 092 Fax: (054) 531 064

BATEMAN'S BAY
Surfair Holden
30-32 Orient Street
P: (044) 725 111

BATHURST
Bathurst Motors Pty Ltd
54 Durham Street
P: (063) 312 077 Fax: (063) 319 177

BEGA
Bega Valley Holden
Cnr Upper and Gibbs Sts
P: (064) 922 333 Fax: (064) 923 105

BELMONT
Challenge Holden
444 Pacific Highway
P: (049) 454 313 Fax: (049) 451 054

BLAYNEY
Alan May Auto. Services
98 Adelaide Street
P: (063) 682 745 Fax: (063) 683 257

BOMBALA
Delcott Engineering Pty Ltd
Maybe Street
P: (064) 583 341 Fax: (064) 583 940

BOOROWA
Boowowa Auto Repairs
40 Marsden Street
P: (063) 853 305

BOURKE
Bourke Smash Repairs
12 Richard Street
P: (068) 722 217 Fax: (068) 722 217

BREWARRINA
Lukas Holden
Bathurst Street
P: (068) 392 105 Fax: (068) 392 454

BROKEN HILL
Donlee Motors Pty Ltd
Cnr Galena & Rakow Streets
P: (080) 872 463 Fax: (080) 877 971

CAMDEN
Paul Wakeling Pty Ltd
15 Cawdor Road
P: (046) 557 100

CANOWINDRA
Canowindra Motors
Gaskill Street
P: (063) 441 105 Fax: (063) 441 105

CARDIFF
Brian Kelly Holden
35~39 MacQuarie Road
P: (049) 547 733 Fax: (049) 549 407

CASINO
Casino Holden
142 Barker Street
P: (066) 622 822 Fax: (066) 622 101

CESSNOCK
Geoff Boyd Holden
Cnr Wollombi Road and Darwin Street
P: (049) 903 800 Fax: (049) 911 544

COFF'S HARBOUR
Geoff King Holden
Cnr Pacific Hwy and Thompson Road
P: (066) 522 288 Fax: (066) 525 360

COOLAMON
Coolamon Motors
Cowabbie Street
P: (069) 273 306

COOMA
Summit Holden
66~70 Sharp Street
P: (064) 521 077 Fax: (064) 521 142

COONABARABRAN
Allan Cooper Holden
John Street
P: (068) 421 888

COONAMBLE
Moody's Motors
37 Aberford Street
P: (068) 221 161 Fax: (068) 221 624

COOTAMUNDRA
Jenkins Garage
111 Wallendoon Street
P: (069) 422 522 Fax: (069) 421 493

COWRA
Waugoola Motors Pty Ltd
Kendal Street
P: (063) 421 800 Fax: (063) 423 614

CROOKWELL
Crookwell Autos
114 Goulburn Street
P: (048) 321 433 Fax: (048) 322 157

DENILIQUIN
Burchfield Bros & Co
112~114 End Street
P: (058) 812 133 Fax: (058) 813 322

DORRIGO
Phil Noble Motors
46~48 Hickory Street
P: (066) 572 017 Fax: (066) 572 217

DUBBO
John Kierath
54 Bourke Street
P: (068) 821 011 Fax: (068) 827 102

DUNGOG
Turner Holden
248 Dowling Street
P: (049) 921 816 Fax: (049) 921 833

HOLDEN DEALERS cont.

EDEN
Ron Doyle
113 Imlay Street
P: (064) 961 420 Fax: (064) 961 467

FINLEY
Riverina Garage Finley
104 Murray Street
P: (058) 831 211 Fax: (058) 831 638

FORBES
Paddison & Co
Cnr Rankin St & Court Lane
P: (068) 521 433 Fax: (068) 522 028

GILGANDRA
Gilgandra Holden
3 Morris Street
P: (068) 471 888 Fax: (068) 471 277

GLEN INNES
Glen Severn Holden
167 Grey Street
P: (067) 322 888 Fax: (067) 323 394

GLOUCESTER
Grahame's Garage Pty Ltd
1 Park Street
P: (065) 581 108 Fax: (065) 582 317

GOSFORD
Noble Holden
Pacific Highway
P: (043) 250 511 Fax: (043) 241 043

GOULBURN
Geissler Motors
279~298 Auburn Street
P: (048) 213 744 Fax: (048) 219 798

GRAFTON
Ken Casson Holden
37~39 Turf Street
P: (066) 426 666 Fax: (066) 426 737

GRENFELL
Terry Carroll Motors Pty Ltd
40 Alexandra Street
P: (063) 431 522 Fax: (063) 431 347

GRIFFITH
Leo Franco Holden
164~166 Yambil Street
P: (069) 642 977 Fax: (069) 624 916

GUNNEDAH
Namoi Valley Motors
48 Barber Street
P: (067) 420 211 Fax: (067) 423 842

GUNNING
Bailey's Garage
Yass Street
P: (048) 451 224 Fax: (048) 451 486

GUYRA
Burgess Garage Pty Ltd
131~143 Bradley Street
P: (067) 791 011

HARDEN
Ginty & O'Leary
Cnr Station & Albury Streets
P: (063) 862 320 Fax: (063) 862 722

HAY
Royce Curtis Motors
168 Lachlan Street
P: (069) 931 503 Fax: (069) 932 212

HOLBROOK
Lieschke Motors Pty Ltd
Albury Street
P: (060) 362 244 Fax: (060) 362 831

INVERELL
Gaukroger Sales Pty Ltd
Vivian Street
P: (067) 222 722 Fax: (067) 221 804

JERILDERIE
Jerilderie Motors
Jerilderie Street
P: (058) 861 302 Fax: (058) 861 734

KANDOS
Chrisfield Holden
11 Angus Street
P: (063) 794 204 Fax: (063) 794 606

KATOOMBA
Katoomba Holden
136 Great Western Highway
P: (047) 321 966 Fax: (047) 825 546

KEMPSEY
Thoroughgood Motors
118~132 Belgrave Street
P: (065) 621 381 Fax: (065) 621 383

KIAMA
Glen Fulton Holden
35~41 Collins Street
P: (042) 321 888 Fax: (042) 323 062

KYOGLE
O & H Holden
128~134 Summerland Way
P: (066) 321 711 Fax: (066) 322 552

LEETON
John Ryan Holden
47 Pine Street
P: (069) 532 466 Fax: (069) 534 334

LISMORE
John Chant Motors Pty Ltd
21~27 Carrington Street
P: (066) 212 601 Fax: (066) 224 659

LITHGOW
Lithgow City Holden
255 Main Street
P: (063) 514 555 Fax: (063) 514 653

MACKSVILLE
Eastland Auto Centre
18~22 Cooper Street
P: (065) 681 711 Fax: (065) 681 816

MACLEAN
O'Halloran Motors
175 River Street
P: (066) 452 844 Fax: (066) 454 003

MAITLAND
Heritage Holden
557~567 High Street
P: (049) 335 366 Fax: (049) 341 984

HOLDEN DEALERS cont.

MOREE
Keith Haddad Holden
Cnr Boston & Heber Streets
P: (067) 521 855 Fax: (067) 521 298

MORUYA
Surfair Holden
88 Vulcan Street
P: (044) 742 555 Fax: (044) 742 129

MOSS VALE
Vagg & Partners Holden
160~162 Argyle Street
P: (048) 681 055 Fax: (048) 683 330

MULLUMBIMBY
Tony Carsburg Holden
2 Argyle Street
P: (066) 842 066 Fax: (066) 842 066

MUDGEE
Ross Granata Motors
47~55 Market Street
P: (063) 721 766 Fax: (063) 723 735

MURWILLUMBAH
Tweed Motors Murwillumbah
29 Prospero Street
P: (066) 724 444 Fax: (066) 725 811

MUSWELLBROOK
Upper Hunter Motors Pty Ltd
116 Bridge Street
P: (065) 432 577 Fax: (065) 432 565

NAMBUCCA HEADS
Nambucca Holden
Mann Street
P: (065) 689 477 Fax: (065) 689 477

NARRABRI
Allan Cooper Holden
181 Maitland Street
P: (067) 923 488 Fax: (067) 924 750

NARROMINE
L.E. Stanley Pty Ltd
Dandaloo Street
P: (068) 891 244 Fax: (068) 892 277

NEWCASTLE
Newcastle City Holden
745 Hunter Street
P: (049) 615 301 Fax: (049) 616 485

NOWRA
Glendon Motors Holden
301~313 Princes Highway
P: (044) 210 144 Fax: (044) 230 854

ORANGE
Canobolas Holden
348 Summer Street
P: (063) 620 155 Fax: (063) 613 702

PARKES
Go Motors of Parkes
Cnr Mitchell & Clarinda Sts
P: (068) 622 266 Fax: (068) 621 406

PEAK HILL
S.Leary & Sons Pty Ltd
Mingelo Street
P: (068) 691 459

PORT MACQUARIE
Todd Holden
16~20 Clarence Street
P: (065) 831 100 Fax: (065) 849 508

QUIRINDI
Browning Motors
82 Henry Street
P: (067) 461 666 Fax: (067) 461 422

SCONE
Upper Hunter Motors (Scone)
100 Liverpool Street
P: (065) 451 355

SINGLETON
Lancaster Holden
80 John Street
P: (065) 721 700 Fax: (065) 724 033

TAMWORTH
Kensell's Holden
Cnr Bourke St & Kable Ave
P: (067) 666 699 Fax: (067) 667 339

TAREE
Hardes Auto House
Beeton Parade
P: (065) 521 000 Fax: (065) 521 269

TEMORA
Rod Lovering Holden
2 Stockinbingal Road
P: (069) 772 255 Fax: (069) 772 033

TENTERFIELD
Sexton & Green (Sales & Service) P/L
148 Rouse Street
P: (067) 361 855 Fax: (067) 361 946

TUNCURRY
Great Lakes Holden
144 Manning Street
P: (065) 556 644

TUMUT
Nancarrow Holden
35 Fitzroy Street
P: (069) 471 311 Fax: (069) 473 386

TWEED HEADS
Tweed Motors Pty Ltd
75~79 Pacific Highway
P: (075) 363 411 Fax: (075) 364 490

ULLADULLA
Alan May Holden
150 Princes Highway
P: (044) 551 213 Fax: (044) 554 122

WAGGA WAGGA
Wagga Motors Pty Ltd
32 Dobney Avenue
P: (069) 253 411 Fax: (069) 253 283

WALCHA
Bowden's Garage Pty Ltd
Derby Street
P: (067) 772 226 Fax: (067) 772 319

WALGETT
Walgett Garage Pty Ltd
81 Wee Waa Street
P: (068) 281 088 Fax: (068) 281 198

HOLDEN DEALERS cont.

WALLA WALLA
D.E. Lieschke & Son Pty Ltd
Commercial Street
P: (060) 292 202 Fax: (060) 292 134

WARIALDA
Roger Moore
Hope Street
P: (067) 291 570 Fax: (067) 291 104

WARILLA
Wilson's Holden
29 Shellharbour Road
P: (042) 951 223 Fax: (042) 961 007

WARREN
Fuller Bros
Dubbo Street
P: (068) 474 978 Fax: (068) 474 477

WEEWAA
Allan Cooper Holden
Rose Street
P: (067) 954 255

WELLINGTON
Gersbach's Garage Pty Ltd
92 Lee Street
P: (068) 452 733 Fax: (068) 453 236

WEST WYALONG
West Wyalong Motors
183 Main Street
P: (069) 722 388 Fax: (069) 722 570

WOLLONGONG
Dwyers City Holden
31~33 Crown Street
P: (042) 299 222 Fax: (042) 263 722

WYONG
Barry Robertson Holden
172 Pacific Highway
P: (043) 512 588 Fax: (043) 521 759

YASS
Bill Nesbitt Holden
221 Comur Street
P: (062) 261 866 Fax: (062) 261 747

YOUNG
Harden & Geelan Holden
48 Boorowa Street
P: (063) 821 155 Fax: (063) 824 673

A.C.T.

BELCONNEN
Gerald Slaven Holden
Josephson Street
P: (062) 515 111 Fax: (062) 531 298

BRADDON
Rolfe Holden
44 Mort Street
P: (062) 487 888 Fax: (062) 571 328

PHILLIP
Commonwealth Motors Pty Ltd
158 Melrose Drive
P: (062) 823 522 Fax: (062) 825 214

Tas.

BURNIE
Motors Burnie
Marine Terrace
P: (004) 311 122 Fax: (004) 313 146

DEVONPORT
Motors Devonport
Victoria Parade
P: (044) 244 033 Fax: (044) 245 249

HOBART
Motors Pty Ltd
179 MacQuarie Street
P: (002) 201 171 Fax: (002) 238 117

KING ISLAND
King Island Motors Pty Ltd
Netherby Road, Currie
P: (004) 621 155 Fax: (004) 621 488

LAUNCESTON
Motors Launceston
93~95 Elizabeth Street
P: (003) 329 101 Fax: (003) 345 245

SMITHTON
Motors Smithton
Cnr Nelson & Gibson Street
P: (004) 521 241

ULVERSTONE
Motors Ulverston
97~101 Reibey Street
P: (004) 252 277

Vic. Metropolitan

BERWICK
Barry Bourke Holden
755 Princes Highway
P: (03) 9707 2222 Fax: (03) 9707 3091

BUNDOORA
Watson Holden
413 Grimshaw Street
P: (03) 9467 4677 Fax: (03) 9467 7661

BURWOOD
Penfold Holden
63 Burwood Highway
P: (03) 9268 1333 Fax: (03) 9268 1257

CAULFIELD
Booran Holden
1049 Glenhuntly Road
P: (03) 9571 5555 Fax: (03) 9571 8374

CHELSEA
Harrison Holden
370 Nepean Highway
P: (03) 9772 2233 Fax: (03) 9772 2190

CHELTENHAM
Booran Holden
1212 Nepean Highway
P: (03) 9584 3333 Fax: (03) 9584 4285

HOLDEN DEALERS cont.

DANDENONG
Booran Holden Dandenong- 25 Lonsdale Street
P: (03) 9794 5455 Fax: (03) 9793 1644

DONCASTER
Doncaster Holden
636~640 Doncaster Road
P: (03) 9840 0188 Fax: (03) 9840 2587

ELSTERNWICK
Reg Hunt Holden
77 Nepean Highway
P: (03) 9528 2222 Fax: (03) 9528 1088

ESSENDON
Preston Motors (Essendon) P/L
205~211 Keilor Road
P: (03) 9374 2888 Fax: (03) 9379 6754

FAWKNER
Mantello Holden
1263 Sydney Road
P: (03) 9359 1333 Fax: (03) 9359 9334

FERNTREE GULLY
Neilson Holden F.T.G.
980 Burwood Highway
P: (03) 9758 2222 Fax: (03) 9758 3435

FOOTSCRAY
Alan Mance Holden
435 Barkly Street
P: (03) 9687 4222 Fax: (03) 9687 7529

FRANKSTON
Noel Gould Holden
140 Dandenong Road
P: (03) 9784 4444 Fax: (03) 9784 4419

GEELONG
R & B Smith Holden
510 Moorabool Street
P: (052) 222 888 Fax: (052) 213 114

GEELONG
Winter & Taylor (Sales) P/L
23 Cavendish Street
P: (052) 221 811 Fax: (052) 211 873

GLEN WAVERLEY
Geoff Brady Holden
565~577 Springvale Road
P: (03) 9550 5888 Fax: (03) 9550 5855

HASTINGS
Westernport Holden
2147 Flinders Road
P: (059) 791 503 Fax: (059) 793 845

LILYDALE
Noel Dight Holden
344 Main Street
P: (03) 9735 5566 Fax: (03) 9735 1040

MORNINGTON
John Collins Holden
976 Nepean Highway
P: (059) 754 611 Fax: (059) 754 720

OAKLEIGH
Garry & Warren Smith
1575 Dandenong Road
P: (03) 9568 6333 Fax: (03) 9568 5691

PRESTON
Ralph D'Silva Holden
573~603 High Street
P: (03) 9471 0500 Fax: (03) 9478 4210

RINGWOOD
Patterson Cheney Holden
45~57 Maroondah Highway
P: (03) 9262 6666 Fax: (03) 9870 1113

SOUTH MELBOURNE
South City Holden
380 City Road
P: (03) 9682 6581 Fax: (03) 9686 5836

SOUTH YARRA
Penfold Holden
681 Chapel Street
P: (03) 9827 2272 Fax: (03) 9826 5328

SUNSHINE
Kevin Dennis Holden
272 Ballarat Road
P: (03) 9292 9292 Fax: (03) 9292 9200

WERRIBEE
Ballan Holden
56 Princes Highway
P: (03) 9741 2222 Fax: (03) 9742 3797

WEST MELBOURNE
Reg Hunt Holden
577 King Street
P: (03) 9329 6611 Fax: (03) 9329 1550

Vic. Country

ALEXANDRA
GK & JH Radford
79 Greints Street
P: (057) 721 588 Fax: (057) 721 978

ARARAT
David Reid Motors
High Street
P: (053) 524 100 Fax: (053) 524 388

BAIRNSDALE
The Big Garage
199 Main Street
P: (051) 524 131 Fax: (051) 525 313

BALLARAT
Peter Amor Motors
209~211 Gillies Street
P: (053) 399 333 Fax: (053) 399 202

BENALLA
Arnott's Motors
88~90 Bridge Street
P: (057) 622 500 Fax: (057) 621 586

BENDIGO
Ron Poyser Holden
Cnr High & Myrtle Streets
P: (054) 423 999 Fax: (054) 427 766

BIRCHIP
R.L. & C.J. Bales
38 Cumming Avenue
P: (054) 922 543

HOLDEN DEALERS cont.

BOORT
Jaron Motors
55 Godfrey Street
P: (054) 552 008 Fax: (054) 552 008

CAMPERDOWN
Camperdown Auto Parts
96 Manifold Street
P: (055) 931 983 Fax: (055) 931 979

CASTERTON
Coxons Holden
139 Henty Street
P: (055) 811 166 Fax: (055) 812 116

CHARLTON
K.V. Charlton
70 High Street
P: (054) 911 444 Fax: (054) 911 984

COBRAM
Neville Mustica Motors
Murray Valley Hwy
P: (058) 721 666 Fax: (058) 721 920

COHUNA
Hare Motors Holden
105~107 King George Street
P: (054) 564 488 Fax: (054) 563 039

COLAC
Parker Bros. Motor Co
224 Murray Street
P: (052) 315 533 Fax: (052) 313 853

DAYLESFORD
K.R. Little
Vincent Street
P: (053) 482 248

DIMBOOLA
Westerfield Motors Pty Ltd
64 Lloyd Street
P: (053) 891 302

DONALD
O.A. Shilton & Sons Pty Ltd
5 Wood Street
P: (054) 971 400 Fax: (054) 971 505

ECHUCA
Echuca Motors
1 Nothern Highway
P: (054) 821 522 Fax: (054) 806 215

EUROA
Croxford Holden
41 Clifton Street
P: (057) 952 702 Fax: (057) 951 288

FOSTER
Ray Dower Motors
78 Main Street
P: (056) 822 404

HAMILTON
Peter Sandow Motors Pty Ltd
261 Gray Street
P: (055) 721 433 Fax: (055) 711 182

HOPETOUN
Hopetoun Motors
78 Lascelles Street
P: (050) 833 143 Fax: (050) 833 290

HORSHAM
Ivan Morrow Motors Pty Ltd
22 O'Callaghans Street
P: (053) 820 185 Fax: (053) 820 459

KANIVA
Kaniva Motors
82 Commercial Street
P: (053) 922 300 Fax: (053) 922 589

KOOWEERUP
G & J Light Mechanical repairs P/L
Station Road
P: (059) 971 325

KORUMBURRA
Peter Dunlevie Holden
42 Commercial Street
P: (056) 551 288 Fax: (056) 551 839

KYABRAM
D'Alberto Holden
60 McEwen Road
P: (058) 521 366 Fax: (058) 521 337

KYNETON
Mollison Motors Pty Ltd
167 Mollison Street
P: (054) 223 377 Fax: (054) 223 501

LEONGATHA
Gleeson Holden
37~43 Bair Street
P: (056) 622 361 Fax: (056) 623 393

MAFFRA
Maffra Holden
Johnson Street
P: (051) 471 455 Fax: (051) 411 768

MANSFIELD
Martin's Garage
52~54 Chenery Street
P: (057) 752 610 Fax: (057) 751 179

MARYBOROUGH
Graham Jacka Holden
35 Nolan Street
P: (054) 611 011 Fax: (054) 614 789

MILDURA
Stuart & Harrison (Sales) Pty Ltd
24~32 Deakin Avenue
P: (050) 212 122 Fax: (050) 222 897

MORTLAKE
W. Christian (Mortlake) Pty Ltd
107 Dunlop Street
P: (055) 992 301 Fax: (055) 992 567

MURRAYVILLE
Peers Motors
McKenzie Street
P: (050) 952 081 Fax: (050) 952 054

NATHALIA
BHB Motors
6 Blake Street
P: (058) 662 660

NHILL
Ivan Morrow Motors Pty Ltd
71~73 Nelson Street
P: (053) 911 333 Fax: (053) 911 228

HOLDEN DEALERS cont.

NULLAWIL
Nullawil Motors & General Engineers
Calder Highway
P: (054) 935 210 Fax: (054) 935 210

ORBOST
Merlin Motors
Stanley Street
P: (051) 541 909

PORTLAND
Reynolds Holden
Henty Highway
P: (055) 231 688 Fax: (055) 236 299

QUAMBATOOK
Quambatook Auto Services
32 Gutherie Street
P: (054) 571 237 Fax: (054) 571 420

ROCHESTER
Bruce Hocking Motors Pty Ltd
71 Moore Street
P: (054) 841 455 Fax: (054) 841 140

ROBINVALE
Stuart & Harrison (Sales) Pty Ltd
cnr Herbert & George Sts
P: (050) 263 305

RUTHERGLEN
Jasper Bros Pty Ltd
62 Main Street
P: (060) 328 404 Fax: (060) 328 156

SALE
Keith Boyd Holden
273 York Street
P: (051) 443 944 Fax: (051) 446 289

SEALAKE
Paddy Smith Holden
Calder Highway
P: (050) 701 147

SEYMOUR
Neil Beer Holden
49 Emily Street
P: (057) 922 777 Fax: (057) 924 111

SHEPPARTON
Parker Bros. Auto Co.
Benalla Road
P: (058) 222 666 Fax: (058) 312 507

STAWELL
Tonkin Motors
71~73 Main Road
P: (053) 581 888 Fax: (053) 582 842

SWAN HILL
Swan Hill Holden
94~102 Campbell Street
P: (050) 331 800 Fax: (050) 322 468

TALLANGATTA
Crispin Motors
21 Towong Street
P: (060) 712 414 Fax: (060) 712 655

TIMBOON
Timboon Motors
Bailey Street
P: (055) 983 007 Fax: (055) 983 362

TRARALGON
Colin Watson Holden
Princes Highway
P: (051) 748 000 Fax: (051) 750 050

UNDERBOOL
A.J. Gloster & Sons
Cotter Street
P: (050) 946 291 Fax: (050) 946 297

WANGARATTA
Alan Capp (New Cars) Pty Ltd
Tone Road
P: (057) 212 133 Fax: (057) 214 626

WARRACKNABEAL
Amor Motors Aubrey Truck Sales
33 Woolcock Street
P: (053) 941 055 Fax: (053) 981 904

WARRAGUL
Vin Rowe Holden
3 Endeavour Street
P: (056) 231 362 Fax: (056) 234 314

WARRNAMBOOL
Callaghan Motors Pty Ltd
133~137 Fairy Street
P: (055) 623 711 Fax: (055) 627 415

WONTHAGGI
J.P. Holden
2 Murray Street
P: (056) 721 122 Fax: (056) 724 141

YARRAM
John Palmer Holden
150 Commercial Road
P: (051) 825 122 Fax: (051) 826 166

YARRAWONGA
Pigdons Pty Ltd
Belmore Street
P: (057) 431 577 Fax: (057) 441 788

Qld. Metropolitan

ALBION
Bill Harrison Car Sales
Frodsham Street & Crosby Road
P: (07) 262 2455 Fax: (07) 262 5728

ASPLEY
Zupps Aspley Pty Ltd
1454 Gympie Road
P: (07) 3246 8000 Fax: (07) 3263 7036

CAPALABA
Oldfield Holden
103 Redland Bay Road
P: (07) 3245 2200 Fax: (07) 3245 2221

INDOOROOPILLY
Westpoint Holden
440 Moggill Road
P: (07) 3378 6622 Fax: (07) 3878 1340

IPSWICH
Ross Llewellyn Holden
246 Brisbane Road
P: (07) 3282 2922 Fax: (07) 3282 6359

HOLDEN DEALERS cont.

MOOROOKA
John Sivyer Holden
1060 Ipswich Road
P: (07) 3892 3344 Fax: (07) 3848 7816

MT. GRAVATT
Zupps Motors Pty Ltd
1310 Logan Road
P: (07) 3877 0000 Fax: (07) 3877 0130

NEWSTEAD
Eagers Retail Pty Ltd
95 Breakfast Creek Road
P: (07) 3364 1199 Fax: (07) 3364 1099

PETRIE
Petrie Holden
1059 Gympie Road
P: (07) 3285 2244 Fax: (07) 3285 1975

REDCLIFFE
Village Holden
425 Elizabeth Avenue
P: (07) 3284 7344 Fax: (07) 3883 2711

SPRINGWOOD
Motorama Holden
3455 Pacific Highway
P: (07) 3208 8888 Fax: (07) 3208 7018

WINDSOR
Leach Holden
143 Newmarket Road
P: (07) 3357 6711 Fax: (07) 3357 5403

WOOLLOONGABBA
Armstrong Holden
73 Ipswich Road
P: (07) 3891 5522 Fax: (07) 3891 5146

WYNNUM
Doug Barton Holden
200 Tingal Road
P: (07) 3396 7777 Fax: (07) 3393 3593

Qld. Country

ATHERTON
Redding Motors Pty Ltd
2 Cook Street
P: (070) 911 344 Fax: (070) 912 039

AYR
Honeycombes Sales & Service
213~217 Queen Street
P: (077) 832 344 Fax: (077) 832 079

BEAUDESERT
Lawson Holden
57 Brisbane Street
P: (075) 541 2000 Fax: (075) 541 3368

BOWEN
McDermott Holden
98 Herbert Street
P: (077) 861 430 Fax: (077) 862 903

BUNDABERG
Ross Gray Holden
Takalvan Street
P: (071) 521 666 Fax: (071) 515 788

CABOOLTURE
Beecham Holden
Bribie Island Road
P: (074) 951 477 Fax: (074) 952 839

CAIRNS
Ireland Holden
227~233 Mulgrave Road
P: (070) 523 666 Fax: (070) 523 606

CALOUNDRA
Caloundra City Holden
Caloundra Road
P: (074) 915 522 Fax: (074) 918 016

CHARLEVILLE
Alan Dobbin Holden
129 Alfred Street
P: (076) 541 737 Fax: (076) 543 254

CHARTERS TOWERS
Peters Holden
57 Mosman Street
P: (077) 871 177 Fax: (077) 874 858

CHINCHILLA
Ainsworth Motors & Machinery Pty Ltd
55 Chinchilla Street
P: (076) 627 286 Fax: (076) 627 197

CLONCURRY
Cloncurry Motors
59 Scarr Street
P: (077) 421 444

CROWS NEST
Dennis Nissen Motors
14 William Street
P: (076) 981 300 Fax: (076) 981 495

DALBY
Johnson's Holden
36 Drayton Street
P: (076) 622 422 Fax: (076) 624 311

EMERALD
Orion Agriculture Supplies Pty Ltd
Clermont Street
P: (079) 821 355 Fax: (079) 822 791

GATTON
Gatton Auto Centre
67 Railway Street
P: (074) 621 633 Fax: (074) 621 980

GLADSTONE
Andersons Auto City
56 Yarroon Street
P: (079) 721 177 Fax: (079) 729 141

GYMPIE
Madills
35 Mellor Street
P: (074) 822 522 Fax: (074) 822 672

INGHAM
Devietti Holden
99 Lannercost Street
P: (077) 761 599 Fax: (077) 763 547

INNISFAIL
I.C. Taylor Pty Ltd
117 Edith Street
P: (070) 611 577 Fax: (070) 613 963

HOLDEN DEALERS cont.

JULIA CREEK
Julia Creek Motors Pty Ltd
Burke Street
P: (077) 467 155 Fax: (077) 467 197

KILCOY
Hobart's Garage
58 Mary Street
P: (074) 971 204 Fax: (074) 971 204

KINGAROY
John Dundas Pty Ltd
38 King Street
P: (071) 621 722 Fax: (071) 623 756

LAIDLEY
Buhse's Garage Pty Ltd
5 Spicer Street
P: (074) 651 406 Fax: (074) 651 706

LONGREACH
Longreach Motors
33 Swan Street
P: (076) 581 700 Fax: (076) 581 857

MACKAY
Pioneer Holden
Cnr Gordon & Wellington Streets
P: (079) 572 771 Fax: (079) 513 591

MAROOCHYDORE
Sunco Holden
Wises Road
P: (074) 437 644 Fax: (074) 437 645

MARYBOROUGH
Whitaker Holden
109~111 March Street
P: (071) 222 255 Fax: (071) 231 912

MOUNT ISA
Barkly Motors Pty Ltd
Marian Street
P: (077) 433 044 Fax: (077) 438 466

MURGON
Clifton Motors
McAllister Street
P: (071) 681 066 Fax: (071) 681 947

NAMBOUR
Kallenbach Motors
139 Howard Street
P: (074) 413 099 Fax: (074) 413 105

NANANGO
Nanango Motors Pty Ltd
72~74 Drayton Street
P: (071) 631 108 Fax: (071) 631 108

NOOSAVILLE
Madill's Noosa
Cnr Weyba Road and Mary Street
P: (074) 498 399 Fax: (074) 490 828

PROSERPINE
Crossley Car Sales Whitsunday Pty Ltd
162~164 Main Street
P: (079) 451 822 Fax: (079) 452 022

QUILPIE
Quality Motors
Boonkai Street
P: (076) 561 244 Fax: (076) 561 322

ROCKHAMPTON
Lawrence's
327 Richardson Road
P: (079) 305 111 Fax: (079) 305 112

ROMA
Maranoa Multi Agencies
Bowen Street
P: (076) 222 900 Fax: (076) 221 832

SOUTHPORT
Lockhart Holden
Cnr Nerang Road & Olsen Avenue
P: (07) 5597 2900 Fax: (07) 5597 2542

SPRINGSURE
Springsure Motors
Eclipse Street
P: (079) 841 177 Fax: (079) 841 361

ST. GEORGE
Halpin Motors
39~41 Grey Street
P: (076) 255 466 Fax: (076) 255 855

STANTHORPE
Central Motors
42 Maryland Street
P: (076) 812 200 Fax: (076) 811 479

TOOWOOMBA
Toowoomba Holden
Cnr James & Hume Streets
P: (076) 900 900 Fax: (076) 900 909

TOWNSVILLE
Tony Ireland Holden
87~91 Charters Towers Road
P: (077) 267 777 Fax: (077) 211 486

TULLY
Island Coast Holden
12 Richardson Street
P: (070) 681 288 Fax: (070) 682 145

WARWICK
Deighton Motors Pty Ltd
Grafton Street
P: (076) 612 266 Fax: (076) 611 275

N.T.

ALICE SPRINGS
Kittle Holden
Cnr Wills & Railway Terrace
P: (089) 521 155 Fax: (089) 531 556

DARWIN
Kerry Holden
21~25 Stuart Highway

KATHERINE
Master Motors
3 Second Street
P: (089) 710 444 Fax: (089) 723 657

HOLDEN DEALERS cont.

S.A. Metropolitan

ADELAIDE
City Holden
223 Grenfell Street
P: (08) 2237 666 Fax: (08) 232 0718

ELIZABETH
Peter Page Holden
Elizabeth Way
P: (08) 255 1288 Fax: (08) 255 9260

MALVERN
Claridge Holden
361~367 Unley Road
P: (08) 272 1600 Fax: (08) 373 0057

PORT ADELAIDE
Smiths of Port Adelaide
271 Commercial Road
P: (08) 473 855 Fax: (08) 473 978

REYNELLA
Southgate Holden
49~59 Main South Road
P: (08) 381 9555 Fax: (08) 381 6274

SOMERTON PARK
Hamilton Holden
278~288 Brighton Road
P: (08) 296 4866 Fax: (08) 296 7112

THEBARTON
Metro Holden
1 Port Road
P: (08) 354 0555 Fax: (08) 436 855

VALLEY VIEW
Plaza Holden
817~839 North East Road
P: (08) 263 4922 Fax: (08) 265 5200}

S.A. Country

BALAKLAVA
Balaklava Motors
4 Wallace Street
P: (08) 8862 1030 Fax: (08) 8862 1030

BERRI
Rosenthal Bros Pty Ltd
Vaughan Terrace
P: (085) 823 644 Fax: (085) 823 515

CEDUNA
Beck Motors Pty Ltd
Poynton Street
P: (086) 252 616 Fax: (086) 253 201

CLARE
Brian Holmes Holden
7 Old North Road
P: (08) 8842 2200 Fax: (08) 8842 2886

CLEVE
Herbert Motors Pty Ltd
Rudall Road
P: (086) 282 150 Fax: (086) 282 537

CUMMINS
Trigg & Wedd
3 Umlauf Street
P: (086) 762 105 Fax: (086) 762 303

CRYSTAL BROOK
Crouch Rural Pty. Ltd
26 Brandis Street
P: (086) 362 257 Fax: (086) 362 088

GAWLER
Steinborner Holden
Cnr Murray & Bridge Sts
P: (085) 224 222 Fax: (085) 224 898

KADINA
J.H. Rosewarne Pty Ltd
Graves Street
P: (08) 8821 1111 Fax: (08) 8821 1686

KEITH
Farmers Centre
McBain Street
P: (087) 553 222 Fax: (087) 553 211

KINGSCOTE
Roberts Motors
Telegraph Road
P: (084) 822 021 Fax: (084) 822 853

KINGSTON
Lecornu's Service Garage
Agnes Street
P: (087) 672 424 Fax: (087) 672 533

LOXTON
Flight Motors Pty Ltd
Bookpurnong Terrace
P: (085) 847 277 Fax: (085) 845 937

MAITLAND
Maitland Motors Pty Ltd
58 Robert Street
P: (08) 8832 2601 Fax: (08) 8832 2673

MALLALA
Curnow's Garage Pty Ltd
Balaklava Road
P: (085) 272 003 Fax: (085) 272 255

MENINGIE
Peter Hood Holden
Cnr Princes Highway & Coonalpyn Road
P: (085) 751 109 Fax: (085) 751 537

MILLICENT
Dennis Cowling Holden
98 George Street
P: (087) 333 488 Fax: (087) 333 112

MT. BARKER
Gilbert Motors
57 Adelaide Road
P: (08) 391 1500 Fax: (08) 398 2124

MT. GAMBIER
O.G. Roberts & Co
Jubilee Highway West
P: (087) 256 788 Fax: (087) 230 636

MURRAY BRIDGE
Dutton Motors Pty Ltd
7 Adelaide Road
P: (085) 321 999 Fax: (085) 310 599

NARACOORTE
Kingcraig Motors Pty Ltd
158~164 Smith Street
P: (087) 621 555 Fax: (087) 621 806

HOLDEN DEALERS cont.

OLYMPIC DAM
Lavrick Engineering
Olympic Way
P: (086) 718 888 Fax: (086) 710 506

PORT AUGUSTA
Ken Feltus Holden
38 Stirling Road
P: (086) 410 488 Fax: (086) 424 300

PORT LINCOLN
City Motors
King Street
P: (086) 821 100 Fax: (086) 824 734

PORT PIRIE
Spencer Holden
50 Ellen Street
P: (086) 323 888 Fax: (086) 326 405

RENMARK
Rosenthal Motors Pty Ltd
Ral Ral Avenue
P: (085) 866 626 Fax: (085) 864 040

STRATHALBYN
Gilbert Holden Strathalbyn
High Street
P: (085) 362 066 Fax: (085) 362 672

TANUNDA
Hage & Co Pty Ltd
50 Murray Street
P: (085) 632 123 Fax: (085) 633 488

VICTOR HARBOR
Southern Motors Holden
5 Victoria Street
P: (085) 521 255 Fax: (085) 552 788

WAIKERIE
Riverside Holden
6 Crush Terrace
P: (085) 412 900 Fax: (085) 413 325

WHYALLA
Whyalla Motor Company
74 Essington Lewis Avenue
P: (086) 457 388 Fax: (086) 455 512

YANKALILLA
Martin Motors Pty Ltd
Main Street
P: (085) 582 052 Fax: (085) 582 911

YORKETOWN
Southway Holden
7 Minalaton Road
P: (08) 8852 1322 Fax: (08) 8852 1271

W.A. Metropolitan

CANNINGTON
Brian Gardner Holden
1308~1324 Albany Hwy
P: (09) 451 2333 Fax: (09) 458 9144

FREMANTLE
Shacks Holden
64 Queen Victoria Street
P: (09) 335 5055 Fax: (09) 335 9247

GOSNELLS
Lance Gibbons Holden
2325 Albany Highway
P: (09) 398 2211 Fax: (09) 398 5683

MANDURAH
Mandurah Holden
283 Pinjarra Rd
P: (09) 535 8777 Fax: (09) 535 8822

MELVILLE
Melville Motors Pty Ltd
532~540 Canning Highway
P: (09) 333 5333 Fax: (09) 333 5300

MIDLAND
Goldy Holden
161 Great Eastern Highway
P: (09) 274 3411 Fax: (09) 274 6042

MORLEY
Metro Motors
212 Walter Road
P: (09) 449 3522 Fax: (09) 449 3599

NAVAL BASE
Shacks Cockburn
15 Rockingham Road
P: (09) 410 1433 Fax: (09) 410 2331

OSBORNE PARK
North City Holden
Cnr Scarborough Beach Rd & Harborne St
P: (09) 273 2222 Fax: (09) 273 2220

PERTH
City Motors
505 Newcastle Street
P: (09) 422 7777 Fax: (09) 422 7630

VICTORIA PARK
Youngs Holden
529 Albany Highway
P: (09) 361 6311 Fax: (09) 361 6319

WANNEROO
Phoenix Holden
5 Berriman Drive
P: (09) 409 9200 Fax: (09) 309 2140

W.A. Country

ALBANY
Manley Stanwell Holden
92~98 Earl Street
P: (098) 412 355 Fax: (098) 418 623

BRIDGETOWN
Kordics Bridgetown
Hampton Street
P: (097) 611 377 Fax: (097) 612 151

BROOKTON
Coote Motors
Robinson Road
P: (096) 421 108 Fax: (096) 421 003

BROOME
Norwest Holden
McPherson Street
P: (091) 921 277 Fax: (091) 922 230

HOLDEN DEALERS cont.

BUNBURY
Bunbury Holden
3 Sandridge Road
P: (097) 913 899 Fax: (097) 912 990

BUSSELTON
Fennessy Holden
2~4 Bussell Hwy
P: (097) 521 577 Fax: (097) 524 080

CARNAMAH
T & H Walton Stores Pty Ltd
Robertson Street
P: (099) 511 130 Fax: (099) 511 082

CARNARVON
North West Autos
175 Robinson Street
P: (099) 411 159 Fax: (099) 411 363

COLLIE
Station Motors
102 Throssell Street
P: (097) 341 855 Fax: (097) 341 913

CORRIGIN
Farmpower
Kunjin Road

CRANBROOK
Cranbrook Motors
11~13 Gathorne Street
P: (098) 261 014 Fax: (098) 261 097

DALWALLINU
Reid & Inglis
Johnson Street
P: (096) 611 120 Fax: (096) 611 243

DERBY
BP Colac
Loch Street
P: (091) 911 429

ESPERANCE
Dempster Holden
Norseman Road
P: (090) 711 155 Fax: (090) 713 799

GERALDTON
Youngs Motors
Cathedral Avenue
P: (099) 211 232 Fax: (099) 641 157

GNOWANGERUP
G.S. Hendry & Co Pty Ltd
Yougenup Street
P: (098) 271 030 Fax: (098) 271 460

HARVEY
Stockman Holden
111 Uduc Road
P: (097) 293 333 Fax: (097) 293 221

KALGOORLIE
Kyle Motors
114 Boulder Road
P: (090) 214 800 Fax: (090) 217 700

KARRATHA
Intown Autos
1 Harwood Way
P: (091) 444 562 Fax: (091) 444 576

KATANNING
Edwards Holden
159 Clive Street
P: (098) 212 388 Fax: (098) 212 429

KELLERBERRIN
Dowding Motors
1 Mitchell Street
P: (090) 454 141 Fax: (090) 454 466

KUNUNURRA
Elgee Holden
231 Bloodwood Drive
P: (091) 682 236 Fax: (091) 691 124

MANJIMUP
Manjimup Automotive Services
Pritchard Street
P: (097) 711 388 Fax: (097) 771 214

MERREDIN
Carson's of Merredin
112 Barrack Street
P: (090) 411 444 Fax: (090) 411 765

MOORA
Frank Lewis Holden
Gardiner Street
P: (096) 511 408 Fax: (096) 511 724

NAREMBEEN
Aquip Machinery
20 Churchill Avenue
P: (090) 647 214 Fax: (090) 647 065

NARROGIN
Marley White & Co
Federal Street
P: (098) 814 777 Fax: (098) 814 707

NEWMAN
Cockburn Corefleet
Newman Drive

NORTHAM
Withnell Motors
58 Fitzgerald Street
P: (096) 221 188 Fax: (096) 223 664

TOM PRICE
A.K. Autos
40 Booneroo Road

WAGIN
Marley White & Co
Tudor Street
P: (098) 611 055 Fax: (098) 611 657

WEDGEFIELD
N & L Mechnical
Lot 3780 Carlinde Street

WONGAN HILLS
Agro Machinery Pty Ltd
Fenton Street
P: (096) 711 311 Fax: (096) 711 505

WYALKATCHEM
Agro Machinery
Railway Terrace
P: (096) 811 088 Fax: (096) 811 082

CHAPTER 10

Towing

Page

10-2 Loading
10-3 Towing
10-4 Towing precautions

LOADING THE VEHICLE

Overloading is a safety hazard and could also shorten the life of your vehicle or its parts. The recommended carrying capacity of your vehicle is:

Combo - 545 kg (including 2 occupants and luggage)

If you load your vehicle other than to the above recommendations then you should ensure that the MAXIMUM REAR AXLE LOAD and the GROSS VEHICLE WEIGHT are not exceeded.

Kerb weight

The kerb weights shown in the chart are for the weight of a standard unloaded vehicle, without any options, but with a full tank of fuel.

Kerb weight	1,075 kg
Gross Vehicle Weight	1,620 kg
Max rear axle	970 kg

(G.V.W.) Gross Vehicle Weight

The Gross Vehicle Weight is the maximum that a vehicle is allowed to weigh when fully loaded. This must include any luggage, passengers, roof rack load and a full tank of fuel. If you are towing, then the weight of the tow bar ball load (see following page) must also be included. The maximum, allowable weight for your vehicle is shown in the chart below.

Maximum rear axle load

Remember to take the tow bar ball load into account when determining the rear axle load. The maximum allowable rear axle load for your vehicle is shown in the following chart.

Roof rack loads

For safety reasons and to avoid damaging the roof, only the roof rack approved by Holden for your vehicle should be used.

The maximum allowable roof rack load is 100 kg.

Roof rack loads alter the handling of a vehicle, due to a change in the centre of gravity. When carrying loads on the roof rack avoid abrupt swerving or sharp steering. The load should be evenly distributed and you should not drive faster than 100 km/h.

The weight on the roof rack must be included when working out the maximum vehicle load (G.V.W.) - the roof rack load should be treated as luggage.

TOWING

Your vehicle is designed primarily as a passenger vehicle, so handling, durability and economy may be affected by towing a caravan or trailer. Before attempting any towing, ensure that the correct equipment and any necessary modifications are fitted.

The towing capacity when trailer brakes are fitted is:

750 kg

The towing capacity when trailer brakes are *not* fitted is:

450 kg

In higher elevations and/or mountainous terrain the maximum towing and loading limits should be reduced.

Note: Holden towing equipment is recommended where it is available. Where it is not available, no recommendation is made as to the make of equipment which should be used. Holden will not accept liability for defects occurring in towing equipment not marketed by Holden or for defects in the vehicle arising from the use of such equipment.

Tow bar ball load

The tow bar ball load is the weight on the tow bar ball, when the packed trailer/caravan is hitched. It must not exceed or drop below the following.

- loaded trailer weighing up to 625 kg - at least 4% of the loaded trailer weight.
- loaded trailer weighing over 625 kg - at least 25 kg but not more than 50 kg.

The tow bar ball load can be adjusted by correctly packing the contents of the trailer/caravan.

If the ball load is too light or too heavy, the steering and handling of the vehicle will be greatly impaired. However, it is desirable to aim for the maximum, rather than the minimum tow bar ball load.

When measuring the tow bar ball load, make sure that the drawbar of the loaded trailer/caravan is at the same height as it will be when the trailer/caravan is mounted on the vehicle. This is particularly important for trailer/caravans with tandem axles.

TOWING cont.

Safe towing tips

Your vehicle will handle differently when towing. It's a good idea to make a couple of short distance trips with the trailer/caravan before you set off on the big one.

Have your vehicle correctly maintained and serviced.

Have your trailer/caravan maintained and serviced, with particular attention given to condition of brakes, tyres, suspension, wheel bearings, towing coupling and lighting.

You should have an extended-arm mirror on both sides of your vehicle.

Headlights may need re-aiming after the loaded caravan has been hitched, particularly if a load equalizing hitch is not used.

Use a lower gear, rather than your brakes when descending steep hills.

If your trailer/caravan moves off the road behind you, allow the left wheels of your vehicle to move off as well. When it is safe to do so, carefully steer back on to the road. A sudden attempt to steer back could make you swerve dangerously.

Towing precautions

- **When towing you should not exceed 80 km/h.**
- When towing, your tyres should be inflated to the maximum recommended pressure shown on the tyre placard.
- Loads should be secured so that they cannot slip and should be placed in the centre of the trailer/caravan if possible, i.e. above the axle.
- Trailer brakes are required on trailer/caravans weighing over 500 kg when loaded. Some States require trailer brakes on loads less than 500 kg
- The brakes on the trailer/caravan must be designed to cope with the braking requirements of that trailer/caravan under all towing conditions, without adversely affecting the brakes on the vehicle.
- Make sure that you have enough room when cornering and avoid sudden manoeuvres.
- In the case of trailer/caravans with low directional stability, it is advisable to use a stabiliser to damp rolling motions.
- The cooling fan is driven electrically and so is not dependant on engine speed. At high engine speeds a hot of heat is produced and at low engine speeds correspondingly less heat is produced. For this reason, when driving uphill, do not shift down into a lower gear (which will increase engine speed) whenever the vehicle can still climb the hill in the higher gear.
- Whenever a towbar is removed, be certain to have any mounting holes in the underbody properly sealed to prevent the possible entry of exhaust fumes, dust and water.
- Ensure that the tow bar does not obscure the rear licence plate. If necessary, remove the towbar tongue when it is not required for towing.
- If starting off on hills with a manual transmission, the most favourable engine speed is between 2,000 and 3,000 r.p.m.

CHAPTER 11

Cleaning

Page

INTERIOR CLEANING

11-2 Upholstery
11-2 Vinyl (P.V.C.) fabrics
11-3 Cloth fabrics
11-3 Carpet
11-3 Seat belts
11-3 Interior glass

EXTERIOR CLEANING

11-4 Washing
11-5 Grease, oil & tar spots
11-5 Polishing
11-5 Paint inspection
11-5 Wheels
11-6 Exterior glass
11-7 List of care & maintenance materials

INTERIOR CLEANING

CAUTION:

Many cleaners may be toxic, flammable or may damage the interior. When cleaning the interior, avoid volatile cleaners such as: acetone, lacquer thinners, enamel reducers, nail polish removers, or cleaners such as laundry soaps, bleaches or reducing agents. Never use carbon tetrachloride, gasoline or naphtha for any cleaning purpose. Be sure the vehicle is well ventilated while using any cleaners and always follow the cleaning manufacturer's recommendations.

Care and cleaning of upholstery

Dust and dirt which accumulate on upholstery should be removed every few weeks - more often with constant driving. This can be done readily with a vacuum cleaner. Before attempting to remove spots and stains, it is necessary to determine as accurately as possible:

- The type of fabric.
- The nature and age of the stain.
- The effect of the stain removal agent upon the colour, structure and general appearance of the upholstery.

It is essential that stains be removed as soon as possible after they have been made. If they are allowed to remain on the fabric for any length of time they very often become oxidised or set, and removal becomes difficult, if not impossible.

Cleaning P.V.C. coated fabrics

Vinyl (P.V.C.) coated fabrics are used for seating, head linings and auxiliary trimming. The grades used vary according to their function. P.V.C. fabrics are generally made by coating fabric with synthetic resins. Care of P.V.C. fabrics is a relatively simple but important matter. The surface should be wiped over with a dry cloth during the regular cleaning of the vehicle.

Should dirt accumulate and become embedded in the material pattern, the following procedure is recommended.

1. Using luke warm water and soap, or Holden Velour Fabric and Vinyl Cleaner, work up thick suds on a piece of cheesecloth, and apply to the surface. A soft bristle brush can be used to remove stubborn stains or dirt embedded in the grain of the material.
2. Repeat using only a damp cloth and no soap.
3. Wipe dry with a soft cloth. The above cleaning instructions also apply to the rubber floor mats.

INTERIOR CLEANING

Cleaning cloth trim

Where the seats in your vehicle are upholstered with cloth, the following instructions should be observed.

★ Most loose dirt and dust can be removed by a vacuum cleaner or soft brush.

★ DO NOT use a whisk broom or a coarse hair brush.

★ If normal soiling should take place it is recommended that the fabric be sponged lightly with warm water containing a detergent and a small amount of ammonia. The fabric should then be rubbed lightly, and if necessary, sponged again to remove anything stubborn. Soak up excess fluid with a dry cloth. Holden Velour Fabric and Vinyl Cleaner may be used to advantage, but should be used sparingly.

Cleaning carpet

Thoroughly brush or vacuum the carpet. In many instances the carpet may require no further cleaning. If the carpet is extremely soiled, thoroughly vacuum it to remove loose dirt then, using Holden Velour Fabric and Vinyl Cleaner, clean approximately one square foot at a time. After each area is cleaned, remove as much of the cleaner as possible with a vacuum cleaner.

Cleaning seat belts

Cleaning of seat belts can be carried out by using a mild non-abrasive soap and luke warm water. After washing be sure to thoroughly sponge the washing solution out of the belts.

CAUTION:

Do not bleach or dye seat belts since this may severely weaken them.

Cleaning interior glass

The interior glass area of the vehicle should be cleaned using Holden Glass Cleaner with a clean soft cloth. Care must be taken when cleaning inside the rear window so as not to damage the demister.

Never use abrasive cleaners on any vehicle glass, as they may cause scratches.

WASHING

CAUTION:

Care should be taken when moving the vehicle after washing, in case water has affected the brakes. Applying the brakes lightly will indicate whether they have been affected. To dry them quickly, lightly apply the brakes while maintaining a slow forward speed with a clear area ahead, until brake performance returns to normal.

Underbody cleaning

Your vehicle has a factory-applied PVC undercoating in the wheel arches (including longitudinal members) which provides permanent protection and needs no special maintenance. The surfaces of the vehicle underside not covered by PVC are provided with a durable protective wax coating. Once a year, preferably before the start of the cold season the wax coating and PVC coating should be checked and if necessary, restored to perfect condition. Commercial bitumen and rubber materials can damage PVC coating. Have all work on the underbody performed by a Holden Dealer, as it requires knowledge of the specified materials and experience concerning their application.

The underbody should be washed following the end of the cold weather season to remove any dirt adhering to the underbody, since this may also contain salt.

Washing paint

Washing not only removes dirt and road grime that settles on the vehicle, but also dilutes acids which accompany such grime, in particular, salt from air or sea spray encountered in coastal areas which often become trapped in crevices. Tree sap, road tar, excretion from birds or insects and industrial fall out often contain harmful chemicals and other foreign matter that may permanently damage the paint finish of the vehicle. These should be removed without delay, using an effective removal agent.

Regular washing

If the vehicle is in continuous use, it should be washed at least once a week with either cold or warm water (preferably running water), using clean chamois leathers, sponges or rags free from dirt or grit likely to scratch the paint finish. It is good practice to first hose the vehicle to remove as much of the grit and grime as possible before swabbing the surface.

Do not wash the vehicle under bright sunlight on hot days, as this will result in a streaky or spotted paint finish. This is caused by refraction of sunlight through the water drops (just like a magnifying glass) which concentrates the sunlight, producing very high temperatures on the paint surface. For the same reason, you should thoroughly dry the vehicle after washing.

Holden Foaming Car Wash or Wash On Shine loosens road grime to make washing easier and leaves paint shining clean, refer last pages of this chapter.

Do not use hot water, strong soap or chemical detergents. Any cleaner should be flushed promptly from the surface and not allowed to dry on the finish.

Hand washing of the vehicle is recommended. However, if an automatic car wash is used then the roof antenna should be removed before driving through.

EXTERIOR CLEANING

Removing grease, oil and tar spots

Grease and oil, and even tar if it's fresh, can be removed from the finish with a little kerosene or turpentine. As a precaution against staining, wash and polish as soon as possible the area from which the foreign matter has been removed.

Warnings

- Some chemical cleaners used for removing road oils and tars from painted surfaces have been found to be detrimental to paint finishes.
- If petrol is spilt on the paint when refilling, flush off immediately with clean water, as petrol has a tendency to stain or soften new paint finish during the weathering out period, particularly when the vehicle is exposed to high temperatures.
- Petrol MUST NOT be used to clean any painted or plastic surfaces.

Insect spots

Insect spots on the paint finished parts of the vehicle can be easily washed off by using a solution containing 1 litre of water in which approximately 110 grams of baking soda (Bicarbonate of Soda) has been dissolved. Flush the washed parts with clean water.

Polishing and waxing

Wax your vehicle regularly and in particular after it has been washed using shampoo, otherwise the paintwork will dry out. The vehicle must be re-waxed before water no longer forms beads on the paint. Waxing prevents harmful chemical action. Also wax edges and folds on opened doors and flaps as well the areas they cover.

Polishing is necessary only if the paint has become dull or if solid deposits have become attached to it. Plastic body parts should not be treated with wax or polish.

Paint inspection

Regular inspection of the vehicle should be made for scratch marks, cracks or damaged areas, all of which could develop rust and thus affect paint finish. Any deep scratches, cracks or breakdown in the finish should be repaired without delay. Care should be taken to ensure that any rusting is counteracted immediately, otherwise rust "creep" will extend beyond the damaged area. This applies particularly in sub-tropical areas or coastal districts, where the moist, or salt-laden atmosphere accelerates rusting if it is allowed to develop through neglect. The paint finish of the vehicle gives a very high degree of protection against the weather, but it should be realised that wear and deterioration occur when the vehicle is exposed to elements for prolonged periods. The vehicle therefore should be garaged whenever possible.

Wheels

Wheels are painted and can be treated with the same cleaner as the body. For alloy wheels Holden alloy wheel cleaner is recommended.

EXTERIOR CLEANING

Tyres

Sponging with cold water is all that is necessary for normal cleaning of the tyres. Oil and grease can, and should be removed with soap and water or detergent. For tar or other substances, a mild abrasive, such as mechanic's hand soap or kitchen cleaning powder, may be used if necessary. Thoroughly wash the tyres with water to finish. Petrol must not be used for cleaning tyres.
New tyre look can be restored using Holden Tyre and Bumper Shine, refer last pages of this chapter.

Glass cleaning - general

Special care should be taken to avoid scratching the glass when cleaning. If it is cleaned at the same time as the rest of the vehicle, there is a possibility that particles of grit will cause fine scratches. Flush off any heavy mud deposits on the glass when washing the body, but leave the final cleaning and polishing until afterwards. Use Holden Glass Cleaner and wash each section of glass in turn, making sure that the water, its container and the sponge are quite clean and free from grit. Clean old linen cloth is better than new material for polishing glass.

Windscreen

It is important that the windscreen be kept clean so that the wiper blades may be as effective as possible in wiping the surface. Old wiper blades can cause windscreen scratching and therefore should be inspected regularly and replaced as necessary.
Abrasive materials must never be used to clean glass as they can cause scratches. A scratched windscreen will impair vision, particularly at night. After the windscreen has been cleaned with a wet sponge it should be wiped over with a soft lint free cloth or chamois.
It is recommended that Holden Optikleen be added to the windscreen washer reservoir to assist the wipers in keeping the windscreen clean whilst driving.

Wiper blades

Oil and road scum thrown up onto the windscreen will cause smearing when the wipers are switched on, as dirt then transfers onto the wiper blades. Many owners, whilst they methodically clean the windscreen glass, omit to clean the wiper blades and consequently smearing of the glass reappears immediately the wiper blades are set in motion. The blades can be cleaned by simply lifting them off the windscreen glass and cleaning with Holden Optikleen and a clean cloth.
DO NOT OPERATE THE WIPER BLADES BY HAND AS THIS MAY DAMAGE THE WIPER DRIVE MECHANISM.
If in dry conditions, the wiper blades are used to clean dust and dirt from the windscreen always use the washer system first to wet the windscreen. Ensure that the windscreen washer reservoir is not empty.

Engine bay

Important areas of the engine bay have been protected with a lacquer coating. Wash the engine only if absolutely necessary. Before washing the engine, protect the alternator and brake fluid container with plastic covers. After washing, parts of the engine, parts of the brake system located in the engine bay, axle components as well as body parts and cavities may need to protectively re-waxed.

CARE & MAINTENANCE MATERIALS

HOLDEN PART NUMBER	SIZE	DESCRIPTION	USAGE
M39828	500 ml	Polymer glaze polish	Seals in a deep, lustrous, glazed finish. Long life protection from oxidation, salt and weather damage.
M39829	500 ml	Easy gloss polish	Contains silicones and hard working waxes for extra shine.
M39830	500 ml	Wash on shine	Contains polymer protectants to shine. Adds a protective film to paintwork.
M39831	500 ml	Foaming car wash	Leaves a no-streak finish.
M38424	400 g	Velour fabric and vinyl cleaner	Cleans and deodorises velour, most fabric and vinyl upholstery, hood linings, mats and carpets.
M40383	350g	Tyre and bumper shine	Restores tyres and bumpers to as new finish.
M40501	350 g	Glass cleaner	Cleans all glass surfaces.
M39826	500 ml	Optikleen	Windscreen washer solvent.
M39168	125 g	Car freshner/deodorant	Removes tobacco smells and other odours.
M40500	300 g	Bug, tar and spot remover	Quickly dissolves and removes tar, grease, oil, bugs and other stubborn stains from your car's exterior.

CARE & MAINTENANCE MATERIALS cont.

HOLDEN PART NUMBER	SIZE	DESCRIPTION	USAGE
M39760	350 g	Spray grease	Lithium based grease in a can. Sprays as a liquid. Ideal for springs, cables, linkages etc.
M40276	750 ml	Wheel cleaner	Cleaning of all wheels, including alloy wheels.
1050002	470 ml	Top engine cleaner	Purges gum, carbon, varnish and sludge from internal parts.
92026651	500 ml	Brake fluid	Extra heavy duty brake fluid.
M41512	3 litre	Radiator coolant / inhibitor	Inhibitor providing year-round protection against corrosion and rust. Anti-freeze lowers freezing point for the cold winter months. Coolant increases boiling point of the cooling system for the summer months.
M39304	500 ml	Radiator cleaner	Use prior to or replacing coolant.
M37223	400 g	Degreaser	Removes oil and grease from engines.
M33028	27 g	Solid oil	Lubricant for locking mechanisms, door hinges, sticking windows.

CHAPTER 12

Servicing

Page

12-2 Service intervals
12-3 Extreme operating conditions
12-4 Maintenance schedule
12-5 Service costs
12-7 Maintenance coupons
12-33 Change of name/address/ ownership

SERVICE INTERVALS

When it comes to service, remember that your Holden Dealer has the trained personnel and specialised equipment to correctly service your vehicle. Your Dealer invites you to return for all your service needs both during and after the warranty period.

The safety, economy, emission control, performance and reliability of your vehicle cannot be assured unless regular maintenance is performed, preferably by factory-trained technicians at Holden Dealers.

Therefore, it is in the owner's interest that the following services are performed at the specified Distance or Months (whichever occurs first).

1,500 km - 1 month inspection
15,000 km - 1 year
30,000 km - 2 years
45,000 km - 3 years
60,000 km - 4 years
75,000 km - 5 years
90,000 km - 6 years
105,000 km - 7 years
120,000 km - 8 years
135,000 km - 9 years
150,000 km - 10 years
165,000 km - 11 years
180,000 km - 12 years

The one month (1,500 kilometres) inspection will be performed without cost for labour by the Selling Dealer.

This service may be carried out by another Holden Dealer provided you have a letter of Introduction from the Selling Dealer.

Your Dealer will supply the necessary letter of Introduction upon request.

The services shown in this schedule between 15,000 km and 180,000 km are to be performed after 180,000 km at the same intervals.

NOTE: All maintenance services as listed in this handbook and replacement of service items are the responsibility of the owner and as such are NOT considered, under the provisions of the new vehicle warranty to be rectification of defective material and workmanship. Items such as wheel alignment, necessary adjustments to drive belts, transmission, clutch, parking brake, etc. or any other items which may require servicing due to fair wear and tear will be carried out at the owner's cost.

Failure to have proper maintenance services carried out by an Authorised Holden Dealer or service Dealer may void your new Vehicle Warranty if the work is not carried out in accordance with Holden's specifications. It is strongly recommended that you read the "New Vehicle Warranty" in Chapter 9 so that you are aware of your entitlements.

Service coupons are provided further on in this chapter. When each service is performed the coupon is removed so that the following service coupon is readily visible to remind you when the next service is due.

After the service is completed, the owner should check that the service has been validated, by the Dealer stamping and signing the coupon stub. This is important as it will not only assist in the determination of Warranty Claims, but will enhance the value of the vehicle when selling.

EXTREME OPERATING CONDITIONS

If your vehicle operates under any of the extreme conditions listed in the following table it is recommended that some items be serviced more frequently than the intervals specified in the Maintenance Plan.

NOTE: The extra services listed below need only be used continuously if your vehicle operates continuously under the conditions specified.

If you operate under any of these conditions on a one off basis e.g. holiday trip, then an extra service should be for that period only.

As a guide, if you operate continually for a period of one month or 1,500 km under any of the extreme conditions, then this could qualify for additional services.

If at any time it is considered that the above items or other items should be more frequently serviced due to the type of operation or before a long trip, discuss the situation with the service manager of your Holden Dealer.

	Short distance with frequent cold starts	Mainly city or short distance driving
Change engine oil and filter	✔	✔

SPECIAL ENGINE OIL AND ENGINE OIL FILTER CHANGE FOR EXTREME OPERATING CONDITIONS Date ..... km ..... Servicing Dealer	SPECIAL ENGINE OIL AND ENGINE OIL FILTER CHANGE FOR EXTREME OPERATING CONDITIONS Date ..... km ..... Servicing Dealer .....
SPECIAL ENGINE OIL AND ENGINE OIL FILTER CHANGE FOR EXTREME OPERATING CONDITIONS Date ..... km ..... Servicing Dealer	SPECIAL ENGINE OIL AND ENGINE OIL FILTER CHANGE FOR EXTREME OPERATING CONDITIONS Date ..... km ..... Servicing Dealer .....

MAINTENANCE SCHEDULE

Use odometer reading or years, whichever occurs first	x 1,000 km	1.5	15	30	45	60	75	90	105	120	135	150	165	180
	or years	1/12	1	2	3	4	5	6	7	8	9	10	11	12

SERVICE ITEMS

COOLANT - check level, check coolant %	1/12	1	2	3	4	5	6	7	8	9	10	11	12
DRIVE BELTS - check		1	2	3	4	5	6	7	8	9	10	11	12
ENGINE TOOTHED BELT - replace									8				
AIR CLEANER paper element - replace			2		4		6		8		10		12
SPARK PLUGS - replace					4				8				12
FUEL FILTER - replace			2		4		6		8		10		12
EXHAUST EMISSION - check: - readout of stored trouble codes - visual check of exhaust components - check idle speed, ignition timing, idle CO-contents - check function of catalytic converter		1	2	3	4	5	6	7	8	9	10	11	12
ENGINE OIL AND FILTER - replace		1	2	3	4	5	6	7	8	9	10	11	12
POWER STEERING - check level	1/12		2		4		6		8		10		12
LEAKAGE - visual check of engine and trans	1/12	1	2	3	4	5	6	7	8	9	10	11	12
LIGHTS & SIGNAL DEVICES - check	1/1	1	2	3	4	5	6	7	8	9	10	11	12
WINDSCREEN WIPE/WASH system check fluid level and blade condition	1/1	1	2	3	4	5	6	7	8	9	10	11	12
CLUTCH PEDAL adjustment - check adjustment	1/1		2		4		6		8		10		12
DOOR HINGES, DOOR STOP, BONNET LOCK, TAILGATE HINGES - lubricate			2		4		6		8		10		12

MAINTENANCE SCHEDULE

Use odometer reading or years, whichever occurs first	x 1,000 km	1.5	15	30	45	60	75	90	105	120	135	150	165	180
	or years	1/12	1	2	3	4	5	6	7	8	9	10	11	12

SERVICE ITEMS

HEADLIGHT ADJUSTMENT - check		1	2	3	4	5	6	7	8	9	10	11	12
BODY/UNDERBODY - check corrosion protection	1/12	1	2	3	4	5	6	7	8	9	10	11	12
FRONT DISC BRAKES - check pad thickness		1	2	3	4	5	6	7	8	9	10	11	12
REAR DRUM BRAKES - check pad thickness			2		4		6		8		10		12
BRAKE PIPES, BRAKE PRESSURE HOSES AND FUEL LINES - visual check	1/12	1	2	3	4	5	6	7	8	9	10	11	12
RUBBER BOOTS - check	1/12		2		4		6		8		10		12
WHEELS - check wheel nut torque, tyre condition and tyre pressure	1/12	1	2	3	4	5	6	7	8	9	10	11	12
POLLEN FILTER - change (if fitted)		1	2	3	4	5	6	7	8	9	10	11	12
BRAKE PROPORTIONING VALVE - check		1	2	3	4	5	6	7	8	9	10	11	12
BRAKE FLUID - change							change every 2 years (regardless of km)						
ROAD TEST	1/12	1	2	3	4	5	6	7	8	9	10	11	12

SERVICE TIMES

Labour hours	free	1.1	1.5	1.1	1.6	1.1	1.5	1.1	2.6	1.1	1.5	1.1	1.6
add 0.2 hours when brake fluid changed													
add for pollen filter, if fitted		0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

- The owner will be charged for all lubricants and materials used plus labour at the times recommended above.
- The repair or replacement of any part found faulty during a service check and not covered by Holden Warranty will be added to the charges.
- Where any deficiencies are noted, such items should be reported to the owner/ operator so that the extra work required can be authorised.
- The use of break-in oil, tune up compounds, friction reducing compounds and other supplemental additives are not recommended; their use will not only increase operating costs, but may indeed be harmful to your vehicle.

1,500km or 1 month Inspection

This coupon should not be removed until the car is presented for inspection.

Owner's Name
Mr.
Mrs. .....
Miss.
Other.....

Address .....

Town & State ..... Postcode .....

Reg. no. ..... Engine no .....

I.S.O.V.I.N. ..... Model .....

Selling Dealer's Stamp & Signature .....

Date of Acquisition .....

This car has been thoroughly checked in accordance with the schedule on the reverse side of this coupon.

Servicing Dealer's Stamp & Signature .....

Servicing Dealer .....

Town ..... State .....

Owner's signature .....

This inspection is provided FREE of charge.

1,500km or 1 month Inspection Validation

This car has been thoroughly checked in accordance with the 1,500 km/one month inspection.

Dealer .....

Service Manager's signature .....

Date ..... Odometer reading .....

- ❑ COOLANT - check fluid level, check coolant %
- ❑ ENGINE OIL - check fluid level
- ❑ POWER STEERING - check fluid level
- ❑ WASHER - check fluid level
- ❑ BRAKE FLUID - check fluid level
- ❑ LEAKAGE - visual check of engine and trans
- ❑ LIGHTS AND SIGNALLING DEVICES - check
- ❑ CLUTCH PEDAL adjustment - check adjustment
- ❑ BODY/UNDERBODY - check corrosion protection
- ❑ BRAKE PIPES, BRAKE PRESSURE HOSES AND FUEL LINES - visual check
- ❑ RUBBER BOOTS - check
- ❑ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ❑ ROAD TEST

15,000 km or 1 year

SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.1 hours
- add 0.1 hours if pollen filter fitted

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

15,000 km or 1 year Service Validation

Servicing Dealer .....

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ COOLANT - check level, check coolant %
- ❑ DRIVE BELTS - check
- ❑ EXHAUST EMISSION - check - read-out of stored trouble codes - visual check of exhaust components - check idle speed, ignition timing, idle CO-contents - check function of catalytic converter
- ❑ ENGINE OIL AND FILTER - replace
- ❑ LEAKAGE - visual check of engine and trans.
- ❑ LIGHTS AND SIGNALLING DEVICES - check
- ❑ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ❑ HEADLIGHT ADJUSTMENT - check
- ❑ BODY/UNDERBODY - check corrosion protection
- ❑ FRONT DISC BRAKES - check pad thickness
- ❑ BRAKE PIPES, BRAKE PRESSURE HOSES AND FUEL LINES - visual check
- ❑ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ❑ POLLEN FILTER - change (if fitted)
- ❑ BRAKE PROPORTIONING VALVE - check
- ❑ ROAD TEST

30,000 km or 2 years

SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.5 hours labour
- add 0.2 hours if brake fluid changed
- add 0.1 hours if pollen filter fitted

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

30,000 km or 2 year Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ COOLANT - check level, check coolant %
- ❑ DRIVE BELTS - check
- ❑ AIR CLEANER paper element - replace
- ❑ FUEL FILTER - replace
- ❑ EXHAUST EMISSION - check: - read-out of stored trouble codes - visual check of exhaust components - check idle speed, ignition timing, idle CO-contents - check function of catalytic converter
- ❑ ENGINE OIL AND FILTER - replace
- ❑ POWER STEERING - check level
- ❑ LEAKAGE - visual check of engine and trans
- ❑ LIGHTS AND SIGNALLING DEVICES - check
- ❑ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ❑ CLUTCH PEDAL adjustment - check adjustment
- ❑ DOOR HINGES, DOOR STOP, BONNET LOCK, TAILGATE HINGES - lubricate
- ❑ HEADLIGHT ADJUSTMENT - check
- ❑ BODY/UNDERBODY - check corrosion protection
- ❑ FRONT DISC BRAKES - check pad thickness
- ❑ REAR DRUM BRAKES - check pad thickness
- ❑ BRAKE PIPES, BRAKE PRESSURE HOSES AND FUEL LINES - visual check
- ❑ RUBBER BOOTS - check
- ❑ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ❑ POLLEN FILTER - change (if fitted)
- ❑ BRAKE PROPORTIONING VALVE - check
- ❑ ROAD TEST

- ❑ BRAKE FLUID - change every 2 years (regardless of km)

45,000 km or 3 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.1 hours labour
- add 0.2 hours if brake fluid changed
- add 0.1 hours if pollen filter fitted

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

45,000 km or 3 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ COOLANT - check level, check coolant %
- ❑ DRIVE BELTS - check
- ❑ EXHAUST EMISSION - check: - read-out of stored trouble codes - visual check of exhaust components - check idle speed, ignition timing, idle CO-contents - check function of catalytic converter
- ❑ ENGINE OIL AND FILTER - replace
- ❑ LEAKAGE - visual check of engine and trans
- ❑ LIGHTS AND SIGNALLING DEVICES - check
- ❑ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ❑ HEADLIGHT ADJUSTMENT - check
- ❑ BODY/UNDERBODY - check corrosion protection
- ❑ FRONT DISC BRAKES - check pad thickness
- ❑ BRAKE PIPES, BRAKE PRESSURE HOSES AND FUEL LINES - visual check
- ❑ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ❑ POLLEN FILTER - change (if fitted)
- ❑ BRAKE PROPORTIONING VALVE - check
- ❑ ROAD TEST

- ❑ BRAKE FLUID - change every 2 years (regardless of km)

60,000 km or 4 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.6 hours labour
- add 0.2 hours if brake fluid changed
- add 0.1 hours if pollen filter fitted

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

60,000 km or 4 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ COOLANT - check level, check coolant %
- ❑ DRIVE BELTS - check
- ❑ AIR CLEANER paper element - replace
- ❑ SPARK PLUGS - replace
- ❑ FUEL FILTER - replace
- ❑ EXHAUST EMISSION - check: - read-out of stored trouble codes - visual check of exhaust components - check idle speed, ignition timing, idle CO-contents - check function of catalytic converter
- ❑ ENGINE OIL AND FILTER - replace
- ❑ POWER STEERING - check level
- ❑ LEAKAGE - visual check of engine and trans
- ❑ LIGHTS AND SIGNALLING DEVICES - check
- ❑ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ❑ CLUTCH PEDAL adjustment - check adjustment
- ❑ DOOR HINGES, DOOR STOP, BONNET LOCK, TAILGATE HINGES - lubricate
- ❑ HEADLIGHT ADJUSTMENT - check
- ❑ BODY/UNDERBODY - check corrosion protection
- ❑ FRONT DISC BRAKES - check pad thickness
- ❑ REAR DRUM BRAKES - check pad thickness
- ❑ BRAKE PIPES, BRAKE PRESSURE HOSES AND FUEL LINES - visual check
- ❑ RUBBER BOOTS - check
- ❑ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ❑ POLLEN FILTER - change (if fitted)
- ❑ BRAKE PROPORTIONING VALVE - check
- ❑ ROAD TEST

- ❑ BRAKE FLUID - change every 2 years (regardless of km)

75,000 km or 5 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.1 hours labour
- add 0.2 hours if brake fluid changed
- add 0.1 hours if pollen filter fitted

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

75,000 km or 5 years Service Validation

Servicing Dealer .....
Brake fluid changed: YES/NO
Date of Service .....
Odometer .....
Signed .....

Additional services performed: .....
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- ❑ COOLANT - check level, check coolant %
- ❑ DRIVE BELTS - check
- ❑ EXHAUST EMISSION - check: - read-out of stored trouble codes - visual check of exhaust components - check idle speed, ignition timing, idle CO-contents - check function of catalytic converter
- ❑ ENGINE OIL AND FILTER - replace
- ❑ LEAKAGE - visual check of engine and trans
- ❑ LIGHTS AND SIGNALLING DEVICES - check
- ❑ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ❑ HEADLIGHT ADJUSTMENT - check
- ❑ BODY/UNDERBODY - check corrosion protection
- ❑ FRONT DISC BRAKES - check pad thickness
- ❑ BRAKE PIPES, BRAKE PRESSURE HOSES AND FUEL LINES - visual check
- ❑ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ❑ POLLEN FILTER - change (if fitted)
- ❑ BRAKE PROPORTIONING VALVE - check
- ❑ ROAD TEST

- ❑ BRAKE FLUID - change every 2 years (regardless of km)

90,000 km or 6 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.5 hours labour
- add 0.2 hours if brake fluid changed
- add 0.1 hours if pollen filter fitted

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

90,000 km or 6 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ COOLANT - check level, check coolant %
- ❑ DRIVE BELTS - check
- ❑ AIR CLEANER paper element - replace
- ❑ FUEL FILTER - replace
- ❑ EXHAUST EMISSION - check: - read-out of stored trouble codes - visual check of exhaust components - check idle speed, ignition timing, idle CO-contents - check function of catalytic converter
- ❑ ENGINE OIL AND FILTER - replace
- ❑ POWER STEERING - check level
- ❑ LEAKAGE - visual check of engine and trans
- ❑ LIGHTS AND SIGNALLING DEVICES - check
- ❑ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ❑ CLUTCH PEDAL adjustment - check adjustment
- ❑ DOOR HINGES, DOOR STOP, BONNET LOCK, TAILGATE HINGES - lubricate
- ❑ HEADLIGHT ADJUSTMENT - check
- ❑ BODY/UNDERBODY - check corrosion protection
- ❑ FRONT DISC BRAKES - check pad thickness
- ❑ REAR DRUM BRAKES - check pad thickness
- ❑ BRAKE PIPES, BRAKE PRESSURE HOSES AND FUEL LINES - visual check
- ❑ RUBBER BOOTS - check
- ❑ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ❑ POLLEN FILTER - change (if fitted)
- ❑ BRAKE PROPORTIONING VALVE - check
- ❑ ROAD TEST

- ❑ BRAKE FLUID - change every 2 years (regardless of km)

105,000 km or 7 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.1 hours labour
- add 0.2 hours if brake fluid changed
- add 0.1 hours if pollen filter fitted

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

105,000 km or 7 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ COOLANT - check level, check coolant %
- ❑ DRIVE BELTS - check
- ❑ EXHAUST EMISSION - check: - read-out of stored trouble codes - visual check of exhaust components - check idle speed, ignition timing, idle CO-contents - check function of catalytic converter
- ❑ ENGINE OIL AND FILTER - replace
- ❑ LEAKAGE - visual check of engine and trans
- ❑ LIGHTS AND SIGNALLING DEVICES - check
- ❑ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ❑ HEADLIGHT ADJUSTMENT - check
- ❑ BODY/UNDERBODY - check corrosion protection
- ❑ FRONT DISC BRAKES - check pad thickness
- ❑ BRAKE PIPES, BRAKE PRESSURE HOSES AND FUEL LINES - visual check
- ❑ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ❑ POLLEN FILTER - change (if fitted)
- ❑ BRAKE PROPORTIONING VALVE - check
- ❑ ROAD TEST

- ❑ BRAKE FLUID - change every 2 years (regardless of km)

120,000 km or 8 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 2.6 hours labour
- add 0.2 hours if brake fluid changed
- add 0.1 hours if pollen filter fitted

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

120,000 km or 8 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ COOLANT - check level, check coolant %
- ❑ DRIVE BELTS - check
- ❑ ENGINE TOOTHED BELT - replace
- ❑ AIR CLEANER paper element - replace
- ❑ SPARK PLUGS - replace
- ❑ FUEL FILTER - replace
- ❑ EXHAUST EMISSION - check: - read-out of stored trouble codes - visual check of exhaust components - check idle speed, ignition timing, idle CO-contents - check function of catalytic converter
- ❑ ENGINE OIL AND FILTER - replace
- ❑ POWER STEERING - check level
- ❑ LEAKAGE - visual check of engine and trans
- ❑ LIGHTS AND SIGNALLING DEVICES - check
- ❑ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ❑ CLUTCH PEDAL adjustment - check adjustment
- ❑ DOOR HINGES, DOOR STOP, BONNET LOCK, TAILGATE HINGES - lubricate
- ❑ HEADLIGHT ADJUSTMENT - check
- ❑ BODY/UNDERBODY - check corrosion protection
- ❑ FRONT DISC BRAKES - check pad thickness
- ❑ REAR DRUM BRAKES - check pad thickness
- ❑ BRAKE PIPES, BRAKE PRESSURE HOSES AND FUEL LINES - visual check
- ❑ RUBBER BOOTS - check
- ❑ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ❑ POLLEN FILTER - change (if fitted)
- ❑ BRAKE PROPORTIONING VALVE - check
- ❑ ROAD TEST

- ❑ BRAKE FLUID - change every 2 years (regardless of km)

135,000 km or 9 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.1 hours labour
- add 0.2 hours if brake fluid changed
- add 0.1 hours if pollen filter fitted

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

135,000 km or 9 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ COOLANT - check level, check coolant %
- ❑ DRIVE BELTS - check
- ❑ EXHAUST EMISSION - check: - read-out of stored trouble codes - visual check of exhaust components - check idle speed, ignition timing, idle CO-contents - check function of catalytic converter
- ❑ ENGINE OIL AND FILTER - replace
- ❑ LEAKAGE - visual check of engine and trans
- ❑ LIGHTS AND SIGNALLING DEVICES - check
- ❑ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ❑ HEADLIGHT ADJUSTMENT - check
- ❑ BODY/UNDERBODY - check corrosion protection
- ❑ FRONT DISC BRAKES - check pad thickness
- ❑ BRAKE PIPES, BRAKE PRESSURE HOSES AND FUEL LINES - visual check
- ❑ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ❑ POLLEN FILTER - change (if fitted)
- ❑ BRAKE PROPORTIONING VALVE - check
- ❑ ROAD TEST

- ❑ BRAKE FLUID - change every 2 years (regardless of km)

150,000 km or 10 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.5 hours labour
- add 0.2 hours if brake fluid changed
- add 0.1 hours if pollen filter fitted

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

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Signature .....

Date .....

150,000 km or 10 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

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- ❑ COOLANT - check level, check coolant %
- ❑ DRIVE BELTS - check
- ❑ AIR CLEANER paper element - replace
- ❑ FUEL FILTER - replace
- ❑ EXHAUST EMISSION - check: - read-out of stored trouble codes - visual check of exhaust components - check idle speed, ignition timing, idle CO-contents - check function of catalytic converter
- ❑ ENGINE OIL AND FILTER - replace
- ❑ POWER STEERING - check level
- ❑ LEAKAGE - visual check of engine and trans
- ❑ LIGHTS AND SIGNALLING DEVICES - check
- ❑ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ❑ CLUTCH PEDAL adjustment - check adjustment
- ❑ DOOR HINGES, DOOR STOP, BONNET LOCK, TAILGATE HINGES - lubricate
- ❑ HEADLIGHT ADJUSTMENT - check
- ❑ BODY/UNDERBODY - check corrosion protection
- ❑ FRONT DISC BRAKES - check pad thickness
- ❑ REAR DRUM BRAKES - check pad thickness
- ❑ BRAKE PIPES, BRAKE PRESSURE HOSES AND FUEL LINES - visual check
- ❑ RUBBER BOOTS - check
- ❑ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ❑ POLLEN FILTER - change (if fitted)
- ❑ BRAKE PROPORTIONING VALVE - check
- ❑ ROAD TEST

- ❑ BRAKE FLUID - change every 2 years (regardless of km)

165,000 km or 11 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.1 hours labour
- add 0.2 hours if brake fluid changed
- add 0.1 hours if pollen filter fitted

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

.....

.....

.....

Signature .....

Date .....

165,000 km or 11 years Service Validation

Servicing Dealer .....
Brake fluid changed: YES/NO
Date of Service .....
Odometer .....
Signed .....

Additional services performed: .....
.....
.....
.....
.....
.....

- ❑ COOLANT - check level, check coolant %
- ❑ DRIVE BELTS - check
- ❑ EXHAUST EMISSION - check: - read-out of stored trouble codes - visual check of exhaust components - check idle speed, ignition timing, idle CO-contents - check function of catalytic converter
- ❑ ENGINE OIL AND FILTER - replace
- ❑ LEAKAGE - visual check of engine and trans
- ❑ LIGHTS AND SIGNALLING DEVICES - check
- ❑ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ❑ HEADLIGHT ADJUSTMENT - check
- ❑ BODY/UNDERBODY - check corrosion protection
- ❑ FRONT DISC BRAKES - check pad thickness
- ❑ BRAKE PIPES, BRAKE PRESSURE HOSES AND FUEL LINES - visual check
- ❑ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ❑ POLLEN FILTER - change (if fitted)
- ❑ BRAKE PROPORTIONING VALVE - check
- ❑ ROAD TEST

- ❑ BRAKE FLUID - change every 2 years (regardless of km)

180,000 km or 12 years SERVICE COUPON

I authorise performance of the services specified on the rear of this coupon.

I understand I will be charged for the following hours of labour:

- 1.6 hours labour
- add 0.2 hours if brake fluid changed
- add 0.1 hours if pollen filter fitted

Also, that there will be a charge for all lubricants, filters and parts used as a result of checks and additional services performed as requested.

There will also be a charge for additional services as requested:

.....

.....

.....

Signature .....

Date .....

180,000 km or 12 years Service Validation

Servicing Dealer .....

Brake fluid changed: YES/NO

Date of Service .....

Odometer .....

Signed .....

Additional services performed: .....

.....

.....

.....

.....

- ❑ COOLANT - check level, check coolant %
- ❑ DRIVE BELTS - check
- ❑ AIR CLEANER paper element - replace
- ❑ SPARK PLUGS - replace
- ❑ FUEL FILTER - replace
- ❑ EXHAUST EMISSION - check: - read-out of stored trouble codes - visual check of exhaust components - check idle speed, ignition timing, idle CO-contents - check function of catalytic converter
- ❑ ENGINE OIL AND FILTER - replace
- ❑ POWER STEERING - check level
- ❑ LEAKAGE - visual check of engine and trans
- ❑ LIGHTS AND SIGNALLING DEVICES - check
- ❑ WINDSCREEN WIPE/WASH system - check fluid level and blade condition
- ❑ CLUTCH PEDAL adjustment - check adjustment
- ❑ DOOR HINGES, DOOR STOP, BONNET LOCK, TAILGATE HINGES - lubricate
- ❑ HEADLIGHT ADJUSTMENT - check
- ❑ BODY/UNDERBODY - check corrosion protection
- ❑ FRONT DISC BRAKES - check pad thickness
- ❑ REAR DRUM BRAKES - check pad thickness
- ❑ BRAKE PIPES, BRAKE PRESSURE HOSES AND FUEL LINES - visual check
- ❑ RUBBER BOOTS - check
- ❑ WHEELS - check wheel nut torque, tyre condition and tyre pressure
- ❑ POLLEN FILTER - change (if fitted)
- ❑ BRAKE PROPORTIONING VALVE - check
- ❑ ROAD TEST

- ❑ BRAKE FLUID - change every 2 years (regardless of km)

INDEX

Air Bag 6-12
Accidents 6-2
Air conditioning 1-12
Air pressures (tyres) 7-8
Alternator warning light 1-6
Antifreeze fluid 7-4
Appearance care 11-1
Ash tray 1-11

Battery
  Fluid level 7-6
  When flat 6-10
Bonnet release 1-18
Boiling 6-8
Brakes
  Precautions 4-5
  Fluid level 7-5
  Warning light 1-6
  Park brake 3-7
Bulbs (replacement) 7-12

Capacities (fluid) 8-2
Caravan & trailer towing 10-3
Carbon monoxide warning 5-2
Cargo grille 3-8
Cassette 1-11
Certificate 9-2
Change of name/address 12-35
Check engine light 1-6
Cleaning 11-1
Clock 1-17
Cooling system
  Fluid level 7-4
  Overheating 6-8
  Temperature gauge 1-5
Courtesy light 1-9
Curb weight 10-2
Customer assistance 9-12

Date 1-17
Dealers (Authorised Holden) 9-13
Demister 1-16
Dimensions 8-3
Dimmer 1-4
Dipping (headlights) 1-9
Dipstick 7-3
Dome light
  Bulb replacement 7-14
  Operation 1-9
Door locks 2-2
Driving precautions 4-5

Emergencies 6-1
Emission control system 5-5
Engine
  Cooling system 7-4
  Identification number 8-5
  Overheating 6-8
  Specifications 8-2
  Starting 4-2
  Warning light 1-6
Engine oil
  Capacity 8-2
  Checking levels 7-3
  Pressure light 1-7
Exhaust gas warning 5-2

First aid 6-3
Flashers
  Hazard warning 1-10
  Turn signal 1-9
Flat battery 6-10
Flat tyre 6-4
Fluid capacities 8-2

INDEX cont.

Fluid levels
- Battery 7-6
- Brake 7-5
- Coolant 7-4
- Oil 7-3
- Power Steering 7-5
- Windscreen washer 7-6

Fog lights 1-10
Free turning door locks 2-4
Fuel
- Refuelling 5-3
- Gauge 1-5
- Warning light 1-6

Fumes caution 5-2
Fuses 7-7

Gear box 4-4
Generator warning light 1-6
Globe replacement 7-12

Hand brake 3-7
Hazard warning flashers 1-10
Head restraint 3-3
Heater controls 1-12
Heated rear window 1-16
Headlamps
- Bulb replacement 7-12
- Switch 1-9

Height adjust seat belts 3-5
High beam indicator light 1-6
Holden Dealers 9-13
HoldenWise 9-8
Hood 1-18
Horn 1-3

Identification numbers 8-4
Ignition switch 1-3
Indicators (turn signals) 1-9
Indicator/warning lights 1-6
Inflation (tyres) 7-8
Instrument panel 1-2
Interior (dome) light 1-9

Jack 6-4
Jump starting 6-10

Keys 2-2
Kerb weight 10-2

Labels 8-4
License plate light 7-14
Lights
- Bulb replacement 7-12
- Instrument panel 1-4
- Headlight switch 1-9
- Interior light 1-9

Loading information 10-2
Locks
- Bonnet 1-18
- Tailgate 2-3
- Door 2-2
- Fuel filler 5-3
- Ignition 1-3

Lubricants 8-2

Maintenance schedule 12-4
Manuals (service) 7-2
Manual transmission
- Fluid capacity 8-3
- Operation 4-4

Medical assistance 6-3
Mirrors 3-6
Mobile trolley jack locations 7-11
Model identifications 8-5

INDEX cont.

New vehicle running-in 4-2

Octane rating (petrol) 5-4
Odometer 1-4
Oil
  Capacity 8-2
  Level 7-3
  Low pressure warning 1-7
Outlets, air 1-12
Overheating
  Procedure 6-8
  Temperature warning 1-5
Owner responsibility
  Emission controls 5-5
  Weekly checks 7-2
  Maintenance service 12-2

Paintwork cleaning 11-4
Park brake lever 3-7
Parking 4-3
Petrol 5-3
Plates 8-4
Polishing 11-5
Power steering
  Fluid level 7-5
  Precaution 4-8
Push starting 6-10

Radiator -
  See "Cooling system"
Radio 1-11
Rear axle load 10-2
Rear window demister 1-16
Rear vision mirrors 3-6
Refuelling 5-3
Restraints 3-4
Roof racks 10-2
Running-in 4-2

Safer Driving precautions 4-5
Safety belts 3-4
Seat 3-2
Seat belts 3-4
Serial number 8-5
Service 12-2
Service manuals 7-2
Snow Chains 4-5
Spare wheel 6-4
Spark plugs 8-2
Specifications 8-1
Speedometer 1-4
Sporty drive 1-6
Starting
  Flat Battery 6-10
  Normal engine 4-2
Steering power 7-5
Stereo, radio/cassette 1-11
Stop/tail light replacement 7-14
Storage, jack & spare wheel 6-4

Tailgate 2-3
Tank capacity 5-4
Temperature gauge 1-5
Time 1-17
Towing
  Caravan/trailer 10-3
  Disabled vehicle 6-13
Transmission 4-4
Trip meter 1-4
Trolley jack location 7-11

INDEX cont.

Turn signal
- Bulb replacement 7-13
- Operation 1-9

Tyres
- General 7-9
- Inflation pressure 7-8
- Rotation 7-9

Vehicle Identification Number 8-5
Vehicle loading 10-2
Vehicle weights 10-2
Ventilation system 1-12

Warning lights 1-6
Warranty Certificate 9-2
Washer Fluid 7-6
Washing 11-4
Wheel changing 6-4
Wheel replacement 7-9
Windows 3-6
Windscreen
- Wiper/washer control lever 1-8
- Fluid level 7-6

Wiper blades 11-6